

TITLE 675 FIRE PREVENTION AND BUILDING SAFETY COMMISSION

ARTICLE 1. ADMINISTRATION

Rule 1. Indiana Administrative Rules (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Apr 11, 1985, 12:11 pm: 8 IR 1010)

Rule 2. Approval of Local Building Rules and Regulations (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Apr 11, 1985, 12:11 pm: 8 IR 1010)

Rule 3. Fee Schedules (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Jan 29, 1986, 3:00 pm: 9 IR 1364, eff Mar 1, 1986)

ARTICLE 2. CONSTRUCTION RULES (REPEALED)

(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)

ARTICLE 3. ONE AND TWO FAMILY DWELLING CODES (REPEALED)

(Repealed by Fire Prevention and Building Safety Commission; filed Sep 19, 1985, 9:29 am: 9 IR 284)

ARTICLE 4. INDUSTRIALIZED BUILDING SYSTEMS (REPEALED)

(Repealed by Fire Prevention and Building Safety Commission; filed Mar 25, 1986, 1:44 pm: 9 IR 2025, eff Jun 15, 1986)

ARTICLE 5. PLUMBING RULES (REPEALED)

(Repealed by Fire Prevention and Building Safety Commission; filed Mar 6, 1986, 3:00 pm: 9 IR 1657, eff May 1, 1986)

ARTICLE 6. ELECTRICAL RULES (REPEALED)

(Repealed by Fire Prevention and Building Safety Commission; filed Apr 9, 1985, 2:42 pm: 8 IR 1012)

ARTICLE 7. MECHANICAL RULES (REPEALED)

(Repealed by Fire Prevention and Building Safety Commission; filed Feb 26, 1986, 4:35 pm: 9 IR 1609, eff May 1, 1986)

ARTICLE 8. ENERGY CONSERVATION CODES (REPEALED)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 31, 1984, 9:46 am: 7 IR 2543, eff Oct 1, 1984) NOTE: Transferred from the administrative building council of Indiana (660 IAC 4) to the fire prevention and building safety commission (675 IAC 8) by P.L.8-1984, SECTION 130. Effective July 1, 1984.

ARTICLE 9. SWIMMING POOL CODES (REPEALED)

(Repealed by Fire Prevention and Building Safety Commission; filed Jan 8, 1986, 12:04 pm: 9 IR 1028, eff Mar 1, 1986; errata, 9 IR 1379)

ARTICLE 10. ELEVATOR SAFETY CODES (REPEALED)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 30, 1985, 11:52 am: 9 IR 48, eff Oct 1, 1985)

ARTICLE 11. FIRE PREVENTION RULES

Rule 1. Fire Standards for Health Facilities (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)

Rule 2. Fire Standards for Pre-school Education Centers and Day Care Centers (Repealed)

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(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)

Rule 3. Fire Standards for Schools (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)

Rule 4. Fire Standards for Hospitals (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)

Rule 5. Fire Standards for Hotels (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)

Rule 6. Wiring Systems in Farm Buildings (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)

Rule 7. Installation and Operation of Dry Cleaning Equipment (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)

Rule 8. Standards for Equipment Containing or Transporting Liqueified Petroleum Gas (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 57)

Rule 9. Provisions Governing Permit for Supervised Public Fireworks Displays (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed May 30, 1986, 2:00 pm: 9 IR 2774, eff Jul 1, 1986)

Rule 10. Compendium of Life Safety Requirements for Family Homes and Alternate Residences (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed May 30, 1986, 2:00 pm: 9 IR 2774, eff Jul 1, 1986)

ARTICLE 11.1. FIRE PROTECTION IN PUBLIC BUILDINGS

Rule 1. Administration (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Apr 11, 1985, 12:11 pm: 8 IR 1010)

Rule 2. Alarm Systems

675 IAC 11.1-2-1 Area separation walls; visual signals to alert handicapped persons (Repealed)

Sec. 1. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)*

675 IAC 11.1-2-2 Assembly buildings (Repealed)

Sec. 2. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)*

675 IAC 11.1-2-3 Educational buildings and day care centers (Repealed)

Sec. 3. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)*

675 IAC 11.1-2-4 Hospitals, health facilities, and residential care facilities (Repealed)

Sec. 4. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)*

675 IAC 11.1-2-5 Hotels (Repealed)

Sec. 5. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)*

675 IAC 11.1-2-6 Apartment buildings (Repealed)

Sec. 6. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)*

675 IAC 11.1-2-7 Dormitories (Repealed)

Sec. 7. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)*

675 IAC 11.1-2-8 Mercantile occupancies (Repealed)

Sec. 8. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)*

675 IAC 11.1-2-9 Office occupancies (Repealed)

Sec. 9. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)*

675 IAC 11.1-2-10 Industrial occupancies (Repealed)

Sec. 10. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)*

675 IAC 11.1-2-11 National fire protection standards adopted by reference (Repealed)

Sec. 11. *(Repealed by Fire Prevention and Building Safety Commission; filed May 17, 1985, 2:13 pm: 8 IR 1303)*

675 IAC 11.1-2-12 Smoke detectors; number of alarms; annunciator panels; design and installation standards (Repealed)

Sec. 12. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)*

675 IAC 11.1-2-13 Approval and inspection by state fire marshal (Repealed)

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Sec. 13. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)*

Rule 3. Stairs, Exits, and Occupant Loads (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)

Rule 4. Fire Extinguishing Systems (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)

Rule 5. Motion Picture Projection Rooms (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)

Rule 6. Fire Resistive Standards for Interior Wall and Ceiling Finish (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Nov 13, 1985, 3:15 pm: 9 IR 751, eff Mar 1, 1986; errata, 9 IR 779)

Rule 7. Adoption of National Fire Protection Standards (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed May 17, 1985, 2:13 pm: 8 IR 1303)

Rule 8. Fire Safety Emergency Signs in Certain Structures (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed May 30, 1986, 2:00 pm: 9 IR 2774, eff Jul 1, 1986)

ARTICLE 11.2. FIRE ESCAPES (REPEALED)

(Repealed by Fire Prevention and Building Safety Commission; filed May 30, 1986, 2:00 pm: 9 IR 2774, eff Jul 1, 1986)

ARTICLE 11.3. FLAMMABLE LIQUIDS CODE

Rule 1. Storage, Handling, Use; General Provisions

675 IAC 11.3-1-1 Applicability and scope of regulations (Repealed)

Sec. 1. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 57)*

675 IAC 11.3-1-2 Retroactive application of regulations (Repealed)

Sec. 2. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 57)*

675 IAC 11.3-1-3 Approval of installation plans (Repealed)

Sec. 3. *(Repealed by Fire Prevention and Building Safety Commission; filed Oct 16, 1985, 8:55 am: 9 IR 515)*

Rule 2. General Application (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 57)

Rule 3. Tank Storage (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 57)

Rule 4. Piping, Valves, Fittings (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 57)

Rule 5. Container and Portable Tank Storage (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 57)

Rule 6. Industrial Plants (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 57)

Rule 7. Bulk Plants (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 57)

Rule 8. Service Stations (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 57)

Rule 9. Processing Plants (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 57)

Rule 10. Storage of Flammable and Combustible Liquids on Farms and Isolated Construction Projects (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 57)

Rule 11. Oil Burners (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 57)

Rule 12. Solvent-Chemical Waste Processors (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 57)

Rule 13. Transportation and Delivery of Flammable Liquids by Tank Vehicles (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 57)

Rule 14. Refineries (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 58)

Rule 15. Abandonment or Removal of Underground Tanks (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 58)

Rule 16. Underground Leakage of Flammable and Combustible Liquids (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 58)

Rule 17. Notice to Violators (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 58)

Rule 18. Emergency Relief Venting for Fire Exposure for Aboveground Tanks—Appendix A (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 58)

Rule 19. Protection of Tanks Containing Flammable or Combustible Liquids in Locations that may be Flooded—Appendix B (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 58)

Rule 20. Abandonment or Removal of Underground Tanks—Appendix C (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 58)

Rule 21. Underground Leakage of Flammable and Combustible Liquids—Appendix D (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 58)

Rule 22. Automatic Sprinkler Systems—Appendix E (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 58)

Rule 23. Fire Tests—Appendix F (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 58)

Rule 24. Vehicle Design—Appendix G (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 58)

Rule 25. Tank-Vehicle Chassis, Assembly and Appurtenances—Appendix H (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 58)

Rule 26. Auxiliary Equipment (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 58)

Rule 27. Operation of Tank Vehicles—Appendix J (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1985, 4:01 pm: 9 IR 58)

ARTICLE 12. ADMINISTRATION

Rule 1. General Provisions

675 IAC 12-1-1 Definitions (Repealed)

Sec. 1. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2698, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

675 IAC 12-1-2 Legislative authority (Repealed)

Sec. 2. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2698, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

675 IAC 12-1-3 Title (Repealed)

Sec. 3. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2698, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

675 IAC 12-1-4 Purpose (Repealed)

Sec. 4. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document*

#87-53 was filed Jul 17, 1987.]

675 IAC 12-1-5 Standard statewide building code (Repealed)

Sec. 5. (Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]

675 IAC 12-1-6 Classification of rules (Repealed)

Sec. 6 (Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]

675 IAC 12-1-7 Applicability (Repealed)

Sec. 7. (Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]

675 IAC 12-1-8 Application to existing buildings, structures and systems (Repealed)

Sec. 8. (Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]

675 IAC 12-1-9 Alternate materials, methods and designs (Repealed)

Sec. 9. (Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]

675 IAC 12-1-10 Interpretations (Repealed)

Sec. 10 (Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]

675 IAC 12-1-11 Tests (Repealed)

Sec. 11. (Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]

675 IAC 12-1-12 Appeals (Repealed)

Sec. 12. (Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]

675 IAC 12-1-13 Variances (Repealed)

Sec. 13. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

675 IAC 12-1-14 Construction release (Repealed)

Sec. 14. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

675 IAC 12-1-15 Application for construction release (Repealed)

Sec. 15. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

675 IAC 12-1-16 Special releases (Repealed)

Sec. 16. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

675 IAC 12-1-17 Provisions of construction releases (Repealed)

Sec. 17. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

675 IAC 12-1-18 Enforcement (Repealed)

Sec. 18. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

675 IAC 12-1-19 Building permits (Repealed)

Sec. 19. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

675 IAC 12-1-20 Local plan review and permit issuance (Repealed)

Sec. 20. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

675 IAC 12-1-21 Local fees (Repealed)

Sec. 21. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

675 IAC 12-1-22 Inspection by local building officials (Repealed)

Sec. 22. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

675 IAC 12-1-23 Inspection and testing (Repealed)

Sec. 23. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

675 IAC 12-1-24 Certificate of occupancy (Repealed)

Sec. 24. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1009)*

675 IAC 12-1-25 Availability of rules (Repealed)

Sec. 25. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:30 pm: 10 IR 2699, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]*

Rule 1.1. General Provisions

675 IAC 12-1.1-1 Title; availability

Authority: IC 22-13-2-13

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 1. (a) This article shall be known as the general administrative rules for the Indiana fire and building services department.

(b) This article is available for purchase from the Fire and Building Services Department, 402 West Washington Street, Room 243, Indianapolis, Indiana 46204. *(Fire Prevention and Building Safety Commission; 675 IAC 12-1.1-1; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2681, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2081; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 12-1.1-2 Purpose

Authority: IC 22-13-2-13

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 2. The purpose of this article (675 IAC 12) is to provide for administrative procedures and general provisions for the Fire Prevention and Building Safety Commission, and the Fire and Building Services Department and its various offices and divisions. *(Fire Prevention and Building Safety Commission; 675 IAC 12-1.1-2; filed Jul 17, 1987, 2:30 pm: 10 IR 2681, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 12-1.1-3 Statutory authority

Authority: IC 22-13-2-13

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 3. Indiana Code Articles 22-11, 22-12, 22-13, 22-14 and 22-15 establish the authority, power and duties of the Fire Prevention and Building Safety Commission, and the Fire and Building Services Department and its various offices and divisions. *(Fire Prevention and Building Safety Commission; 675 IAC 12-1.1-3; filed Jul 17, 1987, 2:30 pm: 10 IR 2681, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 12-1.1-4 Definitions

Authority: IC 22-13-2-13

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 4. (a) The definitions in this section apply throughout all rules of the Commission (675 IAC).

(b) "Commission" refers to the Fire Prevention and Building Safety Commission as established by IC 22-12-2-1.

(c) "Department" refers to the Fire and Building Services Department as established by IC 22-12-5-1.

(d) "Executive director" refers to the executive director of the department appointed pursuant to IC 22-12-5-4.

(e) "Rules of the commission" means all rules, including documents incorporated by reference, which have been adopted by the Commission and are found in 675 IAC. As appropriate by the context, the term "rule of the Commission" means any applicable section or sections of a rule.

(f) "Secretary" refers to the Executive Director of the Department serving as secretary of the Commission pursuant to IC 22-12-5-4(c).

(g) All definitions found in IC 22-12-1 apply to all rules of the Commission except where the context requires otherwise. *(Fire Prevention and Building Safety Commission; 675 IAC 12-1.1-4; filed Jul 17, 1987, 2:30 pm: 10 IR 2681, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 12-1.1-5 Organization of the rules of the commission

Authority: IC 22-13-2-13

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 5. The rules of the commission are organized in Title 675 of the Indiana Administrative Code as follows:

(1) Articles 1 through 11 Repealed.

(2) Article 12 Administration.

(3) Article 13 Building Codes.

(4) Article 14 One and Two Family Dwelling Codes.

(5) Article 15 Industrialized Building Systems.

(6) Article 16 Plumbing Codes.

(7) Article 17 Electrical Codes.

(8) Article 18 Mechanical Codes.

(9) Article 19 Energy Conservation Codes.

(10) Article 20 Swimming Pool Codes.

(11) Article 21 Safety Code for Elevators, Escalators, Manlifts, and Hoists.

(12) Article 22 Fire Prevention Codes.

(13) Article 23 Amusement Devices.

(14) Article 24 Supplementary Fire Safety Rules.

(Fire Prevention and Building Safety Commission; 675 IAC 12-1.1-5; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2682, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2081; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

Rule 2. Approval of Local Building Rules and Regulations (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Feb 1, 1988, 2:19 pm: 11 IR 1794)

Rule 3. Fee Schedules

675 IAC 12-3-1 Availability (Repealed)

Sec. 1. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 17, 1987, 2:45 pm: 10 IR 2701, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-54 was filed Jul 17, 1987.]*

675 IAC 12-3-2 Schedule of fees for site built construction

Authority: IC 22-12-6-6

Affected: IC 22-12-6-4; IC 22-15-3-2

Sec. 2. (a) Every application for construction design release (ACDR) required by 675 IAC 12-6 shall be accompanied by payment to the Fire and Building Services Fund in an amount prescribed in this section.

(b) The design release fees shall be as follows:

All Projects		Amount
Filing Fee		\$69
	plus	
Processing Fee		\$69 minimum*
TOTAL		\$138 minimum*

*The minimum processing fee only applies where the categorical processing fee is less than \$69.

(c) The categorical processing fees shall be as follows:

Category A (Normal Occupancy): All buildings and structures not specifically listed in Categories B, C, D, and E. The fee is \$0.040 times the gross square feet of floor area.

Category B (Minimal Occupancy–Area related): Generating plants, livestock sales, hangars, open parking structures, truck freight terminals, warehouses, refrigerated storage, and similar uses. The fee is \$0.020 times the gross square feet of floor area.

Category C (Cost related): Remodeling and renovation (no additions). The fee is \$0.0020 times the construction cost. Not to exceed fees as specified for Categories A and B, calculated on the basis of the floor area of each affected story.

Category D (Minimal Occupancy–Cost related): Control towers, monuments, dust collectors, smoke stacks, towers, mausoleums, memorials, and similar uses, grain elevators, concrete or asphalt plants, bulk product processing plants, and other occupied high volume low area structures. The fee is \$0.0001 times the construction cost.

Category E (Minimal Occupancy–Volume related): Swimming pools. The fee is \$0.010 times the gross cubic feet.

Category F (Flammable Liquid or Gas Facilities): Each initial installation of one (1) or more bulk storage tanks, piping or dispensing equipment for Class I, II, IIIA, and IIIB liquids, liquefied petroleum (LP) gas, or liquefied natural gas (LNG) or replacement of such tanks or piping at the same location. The fee is \$40 each tank.

(d) The special processing fees shall be as follows:

<u>Special Processing Fees</u>	<u>Amount</u>
(1) Each additional submission for a partially filed project	\$115
(2) Surcharge for late filing of plans and specifications in accordance with 675 IAC 12-6-8(c) ²	\$69
(3) Foundation release	\$115
(4) Addenda and revisions, each system modified per submission (other than compliance corrections) ³	\$35
(5) Master plans, each series or structure	\$173
(6) Incomplete project filing (mailed submissions only) ⁴	\$12
(7) Returned checks	\$35
(8) Reinstatement or time extension of design release	\$23

Notes:

¹The regular filing and processing fees are paid with the initial submission of the ACDR.

²The surcharge fee, if not collected at the time the ACDR is filed, must be paid prior to issuance of any design release.

³Systems are architectural, structural, electrical, plumbing, mechanical (HVAC), and fire protection.

⁴Payable when missing documents are subsequently filed.

(e) The explanation of terms shall be as follows:

(1) Square footage (floor area) shall be determined by the outside dimensions of the building or structure. This shall include usable area under the horizontal projection of the roof or floor above such as porches, canopies, and balconies.

(2) Cubic footage (volume) shall be the gross volume of the building or structure as determined by the outside dimensions of the building or structure.

(3) Costs (construction) shall be the cost of the labor and materials required to perform the stated scope of construction. It need not include the cost of the land, interior furnishings, or processing equipment.

(f) The state building commissioner may authorize the refunding of any fee specified in this section which was paid or collected in error. (*Fire Prevention and Building Safety Commission; 675 IAC 12-3-2; filed Jan 29, 1986, 3:00 p.m.: 9 IR 1363, eff Mar 1, 1986; filed Feb 17, 1987, 3:15 p.m.: 10 IR 1386, eff Mar 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #86-152 was filed Feb 17, 1987.]; filed Jul 17, 1987, 2:45 p.m.: 10 IR 2700, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-54 was filed Jul 17, 1987.]; filed Jun 3, 1988, 2:15 p.m.: 11 IR 3555, eff Aug 1, 1988; filed Sep 27, 1989, 4:30 p.m.: 13 IR 294; filed Apr 22, 1996, 3:00 p.m.: 19 IR 2285; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Apr 16, 2002, 9:05 a.m.: 25 IR 2731*)

675 IAC 12-3-3 Fireworks display permit fee

Authority: IC 22-11-14-2; IC 22-12-6-6

Affected: IC 22-12-6

Sec. 3. An application for a permit to conduct a supervised public display of fireworks shall be accompanied by payment to the Fire and Building Services Fund in the amount of sixty-nine dollars (\$69) for each such permit. (*Fire Prevention and Building Safety Commission; 675 IAC 12-3-3; filed Jan 29, 1986, 3:00 p.m.: 9 IR 1364, eff Mar 1, 1986; filed Jul 15, 1991, 5:30 p.m.: 14 IR 2234; filed Apr 22, 1996, 3:00 p.m.: 19 IR 2286; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Apr 16, 2002, 9:05 a.m.: 25 IR 2732*)

675 IAC 12-3-4 Variance application fees

Authority: IC 22-12-6-6

Affected: IC 22-13-2-11

Sec. 4. (a) Every application for a variance from the rules of the commission shall be accompanied by payment to the Fire and Building Services Fund in an amount as follows:

Variance application filing fee:	\$138
plus	
Plan examination and processing fee:	
Single code provision	\$138
Each additional unrelated code provision	\$69

(b) As used in this section, “unrelated code provision” means a provision of an adopted code or standard that covers subject matter that is not contingent upon or directly affecting the requirements of a different code provision for which a variance is being sought by the same applicant at the same time. (*Fire Prevention and Building Safety Commission; 675 IAC 12-3-4; filed Jul 17, 1987, 2:45 p.m.: 10 IR 2701, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-54 was filed Jul 17, 1987.]; filed Jun 3, 1988, 2:15 p.m.: 11 IR 3556, eff Aug 1, 1988; filed Jul 15, 1991, 5:30 p.m.: 14 IR 2234; filed Apr 22, 1996, 3:00 p.m.: 19 IR 2286; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Apr 16, 2002, 9:05 a.m.: 25 IR 2732*)

675 IAC 12-3-5 Explosive magazine permit fee

Authority: IC 22-12-6-6

Affected: IC 22-14-4-4; IC 22-14-4-5

FIRE PREVENTION AND BUILDING SAFETY COMMISSION

Sec. 5. (a) An application for issuance of a regulated explosive magazine permit shall be accompanied by payment to the Fire and Building Services Fund in an amount as follows:

- Type 1, 4, or 5 each \$138
- Type 2, 3, or indoor each \$69

(b) An application to annually renew a regulated explosive magazine permit shall be accompanied by payment to the Fire and Building Services Fund in an amount as follows:

- Type 1, 4, or 5 each \$69
- Type 2, 3, or indoor each \$35

(Fire Prevention and Building Safety Commission; 675 IAC 12-3-5; filed Feb 1, 1988, 2:16 p.m.: 11 IR 1789; filed Jul 15, 1991, 5:30 p.m.: 14 IR 2235; filed Apr 22, 1996, 3:00 p.m.: 19 IR 2286; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Apr 16, 2002, 9:05 a.m.: 25 IR 2733)

675 IAC 12-3-6 Construction inspection fees

- Authority: IC 22-12-6-6; IC 22-13-2-13
- Affected: IC 22-15-2-6

Sec. 6. (a) This section applies to any Class 1 building or structure, for which a design release is required under 675 IAC 12-6, and is located within the jurisdiction of a political subdivision that has not established a program to periodically inspect, or cause to be inspected, construction as determined under 675 IAC 12-10-9.

(b) The fees collected under section 2 of this rule for a design release shall be increased by one (1) of the following amounts, whichever is greater:

- (1) Eighty dollars (\$80).
- (2) One-half (½) of the categorical processing fee, but not more than seven hundred fifty dollars (\$750).

(Fire Prevention and Building Safety Commission; 675 IAC 12-3-6; filed Feb 1, 1988, 2:18 p.m.: 11 IR 1795, eff Apr 1, 1988; filed Apr 22, 1996, 3:00 p.m.: 19 IR 2287; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2081; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Apr 16, 2002, 9:05 a.m.: 25 IR 2733)

675 IAC 12-3-7 Statewide fire and building safety education fund

- Authority: IC 22-12-6-6
- Affected: IC 22-12-6-3; IC 22-12-6-4

Sec. 7. This section applies to design release fees as established in section 2 of this rule. For each design release issued, twelve dollars (\$12) of the filing fee is designated for deposit in the statewide fire and building safety education fund established in IC 22-12-6-3. *(Fire Prevention and Building Safety Commission; 675 IAC 12-3-7; filed Sep 27, 1989, 4:30 p.m.: 13 IR 295; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Apr 16, 2002, 9:05 a.m.: 25 IR 2733)*

675 IAC 12-3-8 Amusement and entertainment permit and inspection fees

- Authority: IC 22-12-6-7
- Affected: IC 22-12-6; IC 22-14-3-4

Sec. 8. (a) An application for issuance of a permit for a regulated place of amusement or entertainment shall be accompanied by payment to the fire and building services fund in an amount as follows:

(1) Category A: Places where the occupant load is based entirely on fixed seating capacity and all planned amusement or entertainment activity utilizes a single floor plan described in 675 IAC 12-9-3(a)(2). Examples are theaters and auditoriums.

<u>Occupant Load</u>	<u>Fee</u>
1-99	\$69
100-499	\$104
500-999	\$138
1,000-4,999	\$173
5,000-9,999	\$207
10,000 or more	\$242

(2) Category B: Places where the maximum occupant load is calculated under the method prescribed in the Indiana Building Code, 675 IAC 13. The occupant load may include persons seated in moveable seats or bleachers, fixed seating, persons standing, and combinations thereof. Examples include indoor stadiums, arenas, gymnasiums, halls, nightclubs, and other assembly type buildings or portions thereof. The application fee is calculated from the same schedule as Category A plus an additional sixty-nine dollars (\$69) for each seating configuration or arrangement described in the floor or site plans submitted with the application under 675 IAC 12-9-3(a).

(b) An application for issuance of a special event endorsement under IC 22-14-3-4 shall be accompanied by payment to the fire and building services fund in an amount of sixty-nine dollars (\$69) for inspection of the place of amusement or entertainment. *(Fire Prevention and Building Safety Commission; 675 IAC 12-3-8; filed Jul 15, 1991, 5:30 p.m.: 14 IR 2235; filed Apr 22, 1996, 3:00 p.m.: 19 IR 2287; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Apr 16, 2002, 9:05 a.m.: 25 IR 2733)*

675 IAC 12-3-9 Fireworks wholesale permit fees

Authority: IC 22-12-6-8
 Affected: IC 22-11-14-5; IC 22-12-6

Sec. 9. An application for issuance of a fireworks manufacturer, distributor, wholesaler, or importer permit under IC 22-11-14-5 shall be accompanied by payment in the amount of one thousand dollars (\$1,000) for each such permit. *(Fire Prevention and Building Safety Commission; 675 IAC 12-3-9; filed Jul 15, 1991, 5:30 p.m.: 14 IR 2235; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 12-3-10 Fireworks retail stand permit fees

Authority: IC 22-12-6-8
 Affected: IC 22-12-5; IC 23-17

Sec. 10. (a) An application for a fireworks retail stand permit shall be accompanied by payment to the Fire and Building Services Fund as follows:

(1) 1 to 4 retail stands	\$276
(2) 5 to 10 retail stands	\$552
(3) 11 to 20 retail stands	\$966
(4) 21 to 50 retail stands	\$1,380

plus \$35 for each stand more than 50.

(b) A nonprofit corporation incorporated under IC 23-7-1.1 (before its repeal on August 1, 1991) or IC 23-17 is exempt from the fees under this section. *(Fire Prevention and Building Safety Commission; 675 IAC 12-3-10; filed Jul 15, 1991, 5:30 p.m.: 14 IR 2235; filed Apr 22, 1996, 3:00 p.m.: 19 IR 2287; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Apr 16, 2002, 9:05 a.m.: 25 IR 2734)*

675 IAC 12-3-11 Inspection fee for existing buildings

Authority: IC 22-12-6-6
 Affected: IC 22-12-6-1; IC 22-13-4-5

Sec. 11. If a design release for rehabilitation work to an existing building, issued under 675 IAC 12-8-3(a), requires passing an on-site inspection conducted by the department, an inspection fee in the amount of seventy-five dollars (\$75) shall be paid by the applicant for the design release. The fee shall be paid to the Fire and Building Services Fund. *(Fire Prevention and Building Safety Commission; 675 IAC 12-3-11; filed Jul 15, 1991, 5:30 p.m.: 14 IR 2236; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 12-3-12 Returned check fee

Authority: IC 22-12-6-6
 Affected: IC 22-12-6

Sec. 12. This section is applicable to all fees prescribed in this rule. There will be an additional surcharge of thirty-five dollars

(§35) for any returned check. (*Fire Prevention and Building Safety Commission; 675 IAC 12-3-12; filed Aug 10, 1994, 10:40 a.m.: 17 IR 2859; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2082; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Apr 16, 2002, 9:05 a.m.: 25 IR 2734*)

Rule 4. Development and Application of Rules

675 IAC 12-4-1 Purpose

Authority: IC 22-13-2-13

Affected: IC 22-12-6-6; IC 22-13-2; IC 36-8-17-13

Sec. 1. The purpose of this rule (675 IAC 12-4) is to establish administrative procedures and general provisions for the rules of the Commission. (*Fire Prevention and Building Safety Commission; 675 IAC 12-4-1; filed Jul 17, 1987, 2:30 pm: 10 IR 2682, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-4-2 Definitions

Authority: IC 22-13-2-13

Affected: IC 22-12-1; IC 22-12-6-6; IC 22-13-2-2; IC 22-13-2-8; IC 36-8-17-13

Sec. 2. (a) The definitions in this section apply throughout this title.

(b) "Building rule" means any fire safety rule, equipment rule, or other rule governing any of the following:

(1) Fabrication of an industrialized building system or mobile structure for installation, assembly, or use at another site.

(2) Construction, addition, or alteration of any part of a Class 1 or Class 2 structure at the site where the structure will be used.

(3) Assembly of an industrialized building system or mobile structure that is covered by neither subdivision (1) or (2).

All building rules shall be deemed building laws as defined by IC 22-12-1-3.

(c) "Equipment rule" means a rule that applies to the design, manufacture, fabrication, assembly, installation, alteration, repair, maintenance, operation or inspection of a regulated amusement device, boiler, or lifting device. All equipment rules shall be deemed equipment laws as defined by IC 22-12-1-11.

(d) "Fire safety rule" means any building rule, equipment rule or other rule safeguarding life or property from the hazards of fire or explosion. All fire safety rules shall be deemed fire safety laws as defined by IC 22-12-1-13. (*Fire Prevention and Building Safety Commission; 675 IAC 12-4-2; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2682, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2082; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-4-3 Words and phrases not defined

Authority: IC 22-13-2-13

Affected: IC 22-12-6-6; IC 22-13-2-2; IC 22-13-2-8; IC 22-13-2-13; IC 36-8-17-13

Sec. 3. Where words and phrases are not defined within the rules of the commission, they shall have their ordinary accepted meanings within the context in which they are used. (*Fire Prevention and Building Safety Commission; 675 IAC 12-4-3; filed Jul 17, 1987, 2:30 pm: 10 IR 2682, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-4-4 Statutory authority

Authority: IC 22-13-2-13

Affected: IC 22-12-6-6; IC 22-13-2; IC 22-13-5; IC 36-8-17-13

Sec. 4. (a) The commission has statutory authority to adopt rules in various provisions in the Indiana Code including IC 12-3-2-3.5 [*IC 12-3 was repealed by P.L.2-1992, SECTION 897, effective February 14, 1992.*], IC 22-12-6-6, IC 22-13-2-2, IC 22-13-2-8, IC 22-13-2-13, and IC 36-8-17-13.

(b) The office of the state building commissioner has the statutory authority to issue a written interpretation of a building law

following the provisions of IC 22-13-5. (*Fire Prevention and Building Safety Commission; 675 IAC 12-4-4; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2682, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; errata, 11 IR 97; filed Nov 20, 2000, 3:25 p.m.: 24 IR 998; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-4-5 Rule adoption process

Authority: IC 22-13-2-13

Affected: IC 4-22-2; IC 22-12-5-4; IC 22-12-6-6; IC 22-13-2-2; IC 22-13-2-8; IC 36-8-17-13

Sec. 5. (a) The commission's rulemaking actions shall comply with the requirements of applicable provisions of the Indiana Code, including specifically IC 4-22-2.

(b) Pursuant to IC 4-22-2-15, the executive director of the department serving as the secretary of the commission under IC 22-12-5-4(c) is authorized to take any rulemaking action on the commission's behalf except final adoption of a rule under IC 4-22-2-29 and readoption of a rule subject to sections 24 through 36 of IC 4-22-2 under IC 4-22-2-40. The public hearing on a rule may be conducted by any employee of the department or another agent of the commission whenever authorized by the commission.

(c) The commission at its discretion may establish an advisory committee to aid it in the drafting and preparation of proposed rules. Membership on any such committee shall be at the sole discretion of the commission or the executive director. The advice of any such committee is not binding on the commission which by law retains its full rulemaking authority. (*Fire Prevention and Building Safety Commission; 675 IAC 12-4-5; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2682, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2082; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-4-6 Savings clause

Authority: IC 22-13-2-13

Affected: IC 22-12-6-6; IC 22-13-2-2; IC 22-13-2-8; IC 22-13-2-13; IC 36-8-17-13

Sec. 6. Whenever a rule of the Commission is repealed or amended such repeal or amendment shall not have the effect to release or extinguish any penalty, forfeiture or liability incurred under such rule before its repeal or amendment, unless the amending or repealing rule promulgation shall so expressly provide; and such rule as it existed prior to the repeal or amendment shall be treated as still remaining in force for the purposes of sustaining any proper action or prosecution for the enforcement of such penalty, forfeiture, or liability. (*Fire Prevention and Building Safety Commission; 675 IAC 12-4-6; filed Jul 17, 1987, 2:30 pm: 10 IR 2683, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-4-7 Application of changes in rules of commission to particular construction projects

Authority: IC 22-13-2-13

Affected: IC 22-12-6-6; IC 22-13-2-2; IC 22-13-2-8; IC 36-8-17-13

Sec. 7. (a) Construction projects for which design releases must be obtained under 675 IAC 12-6 shall be done in compliance with the applicable rules of the commission in effect on the date the plans and specifications were filed with the office of the state building commissioner notwithstanding the repeal or amendment of any rule prior to the date the construction work is actually done. Accordingly any enforcement action taken by the office of the state building commissioner or the office of the state fire marshal concerning such construction shall appropriately cite the rules of the commission in effect at the time of the filing of the plans and specifications.

(b) Notwithstanding subsection (a), said construction work may be done in accordance with any rule of the commission that takes effect subsequent to the filing of the plans and specifications and prior to the actual construction work being done, provided that an appropriate addenda and revision design release is issued under 675 IAC 12-6-18.

(c) Construction that is exempt from the design release requirements of 675 IAC 12-6 but is not exempt from the application of the rules of the commission shall be done in compliance with the rules of the commission in effect on the date the construction work is actually done. Recognizing that the rules may change during the course of construction on a particular project and uncertainty may exist as to when particular work was actually done, there shall be a rebuttable presumption that all construction for such an

exempt project is done on the date the construction begins. The scope of this subsection includes construction on Class 1 structures exempted from the design release requirements by 675 IAC 12-6-4 and construction on Class 2 structures.

(d) This section does not apply to applications of the rules of the commission not related to new construction. (*Fire Prevention and Building Safety Commission; 675 IAC 12-4-7; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2683, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2083; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-4-8 Conflicts within the rules

Authority: IC 22-13-2-13

Affected: IC 22-12-6-6; IC 22-13-2-2; IC 22-13-2-8; IC 22-13-2-13; IC 36-8-17-13

Sec. 8. Where, in any specific case, different sections of the rules of the Commission specify different materials, methods of construction or other requirements, the most restrictive shall govern. Where there is a conflict between a general requirement and a specific requirement, the specific requirement shall be applicable. (*Fire Prevention and Building Safety Commission; 675 IAC 12-4-8; filed Jul 17, 1987, 2:30 pm: 10 IR 2683, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-4-9 Maintenance of buildings and structures

Authority: IC 22-13-2-13

Affected: IC 22-12-6-6; IC 22-13-2-2; IC 22-13-2-8; IC 36-8-17-13

Sec. 9. (a) All buildings and structures, and any part of the permanent heating, ventilating, air conditioning, electrical, plumbing, sanitary, emergency detection, emergency communication, or fire or explosion systems, and all parts thereof, shall be maintained in conformance with the applicable rules of the commission, or applicable rules of its predecessor agencies, in effect when constructed, installed, or altered.

(b) The requirements of subsection (a) shall not prohibit maintenance in conformance with the current applicable building rules of the commission or in another manner which would be at least as safe, sanitary, energy conserving and accessible to persons with a physical disability as that required by subsection (a).

(c) Buildings and structures, and any part of the permanent heating, ventilating, air conditioning, electrical, plumbing, sanitary, emergency detection, emergency communication, or fire or explosion suppression systems, and all parts thereof, constructed, installed, or altered prior to the adoption of applicable rules by the commission or its predecessor agencies (including construction, installation, or alteration prior to the creation of the predecessor agencies) shall be maintained in a condition at least as safe and sanitary as they were when constructed, installed, or altered.

(d) This section does not prohibit the removal of buildings, structures, or any part of the permanent heating, ventilating, air conditioning, electrical, plumbing, sanitary, emergency detection, emergency communication, or fire or explosion suppression systems, or components thereof not required for the current use and occupancy by the rules of the commission or its predecessor agencies at the time of construction, installation, or alteration (including construction, installation, or alteration prior to the creation of the predecessor agencies).

(e) Notwithstanding subsection (d), no alteration or removal shall cause an existing building, structure, or any part of the permanent heating, ventilating, air conditioning, electrical, plumbing, sanitary, emergency detection, emergency communication, or fire or explosion suppression systems to become unsafe or overloaded under the provisions of the current rules of the commission for new construction.

(f) Notwithstanding subsection (d), no alteration or removal shall reduce existing fire protection or detection systems or exit capacities to a level less than that required under the provisions of the current rules of the commission for new construction. (*Fire Prevention and Building Safety Commission; 675 IAC 12-4-9; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2683, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2083; errata filed Feb 2, 1998, 8:30 a.m.: 21 IR 2129; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-4-10 Moved buildings or structures

Authority: IC 22-13-2-13

Affected: IC 22-12-6-6; IC 22-13-2-2; IC 22-13-2-8; IC 36-8-17-13

Sec. 10. All buildings or structures that are moved into the state shall comply with, or be made to comply with, the requirements of the commission for new construction for their intended use at their new location. All buildings or structures that are moved within the state, or to a new location on the same site, shall comply with, or shall be made to comply with, section 11(a) or 11(b) of this rule. *(Fire Prevention and Building Safety Commission; 675 IAC 12-4-10; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2684, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Aug 10, 1994, 10:40 a.m.: 17 IR 2859; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2084; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 12-4-11 Occupancy of existing buildings

Authority: IC 22-13-2-13

Affected: IC 12-17.2; IC 22-12-6-6; IC 22-13-2-2; IC 22-13-2-8; IC 36-8-17-13

Sec. 11. (a) Any building or structure lawfully in existence at the time of the adoption of any rule of the commission for new construction may have its existing use or occupancy continued without having to be altered to comply with such a rule.

(b) No change in the character or use of any building or structure shall be permitted which shall cause the building or structure to be classified within a different occupancy group or within a different division of the same occupancy group, unless such building or structure:

- (1) complies with, or is made to comply with, the current rules of the commission for new construction for the proposed revised use of the building;
- (2) complies with, or is made to comply with, the provisions of 675 IAC 12-8; or
- (3) complies with, or is made to comply with, the provisions of 675 IAC 12-13.

Exception: Buildings constructed prior to the effective date of the 1998 Indiana Building Code (675 IAC 13) that change occupancy classification shall not be considered as a change in occupancy as outlined as follows:

Previous Classification	1998 IBC Classifications
B-1	S-3
B-2	B, F-1, M, S-1, and S-2
B-3	S-4 and S-5
B-4	F-2 and S-2
Open Parking Garage	S-4
M	U

(c) Occupancies or rooms, in which the use is changed to include the consumption of alcoholic beverages, and unseparated accessory uses to those occupancies or rooms, where the total area of such unseparated rooms and accessory uses exceeds five thousand (5,000) square feet, shall be made to comply with the sprinkler requirements of 675 IAC 13. For the use to be considered as separated, the separation shall not be less than as required for a one (1) hour occupancy separation in accordance with 675 IAC 13.

(d) The office of the state building commissioner may conduct an inspection to determine the following:

- (1) that a building or structure may be exempted from the rules for new construction under 675 IAC 12-8 or 675 IAC 12-13; or
- (2) that a proposed change in character or use of any Class 1 building or structure will not cause noncompliance with subsection (b).

(e) Subsection (b) shall not prohibit the following accessory uses within Class 2 structures provided they are in one (1) room which does not exceed five hundred (500) square feet in floor area:

- (1) Wholesale and retail sales.
- (2) Offices.
- (3) Craft or hobby workshops.
- (4) Storage and sales rooms for other than hazardous materials.
- (5) Instructional classroom for less than twenty (20) adults or children when used not more than twelve (12) hours per week or four (4) hours in any one (1) day.

(f) Subsection (b) shall not prohibit the following accessory uses within Class 2 structures: Class I child care homes and Class II child care homes, licensed in accordance with IC 12-17.2. *(Fire Prevention and Building Safety Commission; 675 IAC 12-4-11;*

filed Jul 17, 1987, 2:30 p.m.: 10 IR 2684, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jul 23, 1992, 1:00 p.m.: 15 IR 2585, eff Jun 1, 1992 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #92-11 was filed Jul 23, 1992.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2084; errata filed Apr 15, 1998, 10:30 a.m.: 21 IR 3367; filed Nov 20, 2000, 3:25 p.m.: 24 IR 998; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-4-12 Existing buildings; additions or alterations

Authority: IC 22-13-2-13

Affected: IC 22-12-6-6; IC 22-13-2-2; IC 36-8-16-13

Sec. 12. (a) Buildings, structures, and any part of the permanent heating, ventilating, air conditioning, electrical, plumbing, sanitary, emergency detection, emergency communication, or fire or explosion suppression systems to which additions or alterations are made shall comply with the rules of the commission for new construction except as specifically provided in this section.

(b) Additions or alterations may be made to any existing building, structure, or any part of the permanent heating, ventilating, air conditioning, electrical, plumbing, sanitary, emergency detection, emergency communication, or fire or explosion suppression systems without requiring the entire existing building, structure, or system to comply with all the requirements of the rules of the commission provided:

(1) the construction work within the scope of the addition or alteration conforms to the requirements for new construction; and

(2) subsections (c) through (f) and (h) are not violated.

(c) No addition or alteration shall cause an existing building, structure, or any part of the permanent heating, ventilating, air conditioning, electrical, plumbing, sanitary, emergency detection, emergency communication, or fire or explosion suppression systems to become noncompliant under the provisions of the current rules of the commission for new construction or with the applicable rules of the commission or its predecessor agencies in effect at the time the original construction or installation was made.

(d) No addition or alteration shall reduce existing fire protection or detection systems or exit capacities to a level less than that required under the provisions of the rules of the commission for new construction.

(e) When there is a change in use or occupancy, the existing building or structure shall not exceed the height, number of stories, or area permitted by the rules of the commission for new construction for the new use or occupancy.

(f) No addition to a building or structure plus the existing building or structure shall exceed the height, number of stories, and area allowed by the rules of the commission for a new building or structure.

(g) Minor nonstructural alterations to an existing building or structure, which do not adversely affect any structural members or any part of the building or structure having required fire resistance, may be made with the same materials of which the building or structure is constructed.

(h) Notwithstanding subsection (g), the following shall meet the requirements of the rules of the commission for new construction:

(1) The installation or replacement of glass shall meet the requirements for safety glazing.

(2) The installation or replacement of wall and ceiling finishes shall meet the requirements for flame spread ratings.

(3) The installation or replacement of any potable water distribution system, or portion thereof, shall be only of lead-free pipe, fittings, flux, and solder.

(i) Repairs to any part of the permanent heating, ventilating, air conditioning, electrical, plumbing, sanitary, emergency detection, emergency communication, or fire or explosion systems may be made in accordance with the current rules of the commission for new construction or with the applicable rules of the commission or its predecessor agencies in effect at the time original installation was made.

(j) Alterations of buildings built prior to January 21, 1978, (the effective date of the first state rule for energy conservation) need not conform with the new construction standards of 675 IAC 19.

(k) If the rehabilitation of an existing building is undertaken pursuant to 675 IAC 12-8, full compliance with all rules of the commission shall be required for all construction work done in the rehabilitation. *(Fire Prevention and Building Safety Commission; 675 IAC 12-4-12; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2684; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1274, eff Mar 1, 1988; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2085; filed Nov 20, 2000, 3:25 p.m.: 24 IR 999; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

Rule 5. Variances

675 IAC 12-5-1 Purpose

Authority: IC 22-13-2-13
Affected: IC 22-12-7-3; IC 22-13-2-11

Sec. 1. The purpose of this rule (675 IAC 12-5) is to establish administrative procedures and general provisions for the Commission in the exercising of its variance authority under IC 22-13-2-11. (*Fire Prevention and Building Safety Commission; 675 IAC 12-5-1; filed Jul 17, 1987, 2:30 pm: 10 IR 2685, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-5-2 Definitions

Authority: IC 22-13-2-13
Affected: IC 22-12-7-3; IC 22-13-2-11; IC 25-4; IC 25-31

Sec. 2. (a) The definitions in this section apply throughout this rule.

(b) "Applicant" or "applicant for a variance" means the person who would be in violation of a rule of the commission if he or she maintained the conditions sought to be legalized by a variance and did not obtain the variance. This person is usually the owner of the premises in question.

(c) "Architecturally significant" means the same as historically significant.

(d) "Design professional" means a registered architect or professional engineer who is registered under IC 25-4 or IC 25-31.

(e) "Historically significant" means any structure which is important to the general, archaeological, agricultural, economic, social, political, architectural, industrial, or cultural history of the United States or of Indiana.

(f) "Staff" or "commission's staff" means personnel of the division of technical services and research of the department and any other employees of the department working in conjunction with the division's personnel.

(g) "Undue hardship" means unusual difficulty in meeting the requirements of the rules of the commission because of physical limitations of a construction site or its utility services, major operational problems in the use of a building or structure, or excessive costs of additional or altered construction elements. (*Fire Prevention and Building Safety Commission; 675 IAC 12-5-2; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2685, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2085; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-5-3 Statutory authority

Authority: IC 22-13-2-13
Affected: IC 22-12-7-3; IC 22-13-2-11

Sec. 3. As provided for by IC 22-13-2-11, the Commission may grant a variance to a rule it has adopted if the applicant pays the appropriate fee and submits facts demonstrating that:

(1) compliance with the rule will impose an undue hardship upon the applicant or prevent the preservation of an architecturally significant or historically significant part of a building or other structure; and

(2) either:

(A) noncompliance with the rule; or

(B) compliance with an alternative requirement approved by the Commission,

will not be adverse to the public health, safety, or welfare. (*Fire Prevention and Building Safety Commission; 675 IAC 12-5-3; filed Jul 17, 1987, 2:30 pm: 10 IR 2685, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-5-4 Application process

Authority: IC 22-13-2-13
Affected: IC 22-12-7-3; IC 22-13-2-11

Sec. 4. (a) A variance from the rules of the commission may be applied for at any time.

(b) An applicant for a variance shall:

(1) Submit an application to the secretary on a form provided by the secretary or on a reasonable facsimile the information required by section 5 of this rule.

(2) Pay the fee required under 675 IAC 12-3-4 by a check or money order payable to the State Building Commissioner Fund.

(c) An application may be submitted by the applicant or on the applicant's behalf by a representative. *(Fire Prevention and Building Safety Commission; 675 IAC 12-5-4; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2686, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2086; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1000; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 12-5-5 Application

Authority: IC 22-13-2-13

Affected: IC 22-12-7-3; IC 22-13-2-11

Sec. 5. An application for a variance shall include the following information either on the application form or, if appropriate, as an attachment:

(1) The name and address of the applicant and the name and address of the person submitting the application if it is not submitted by the applicant.

(2) The address and county of the premises for which the variance is being sought.

(3) If the variance involves a project for which plans and specifications have been filed for a design release under 675 IAC 12-6, the state building commissioner's project number.

(4) Identification (by specific citation) of the rule of the commission from which the applicant requests a variance.

(5) Specific description of the rooms, equipment, etc., involved.

(6) A specific description of:

(A) the undue hardship that compliance with this rule will impose on the applicant; or

(B) how compliance with the rule will prevent the preservation of an architecturally significant part of a building or other structure and the information required by section 7 of this rule.

(7) A statement:

(A) that noncompliance with the rule will not be adverse to the public health, safety, or welfare and a specific explanation as to why that is so; or

(B) alternative actions that the applicant would be willing to undertake in lieu of compliance with the rule to ensure that the granting of the variance will not be adverse to the public health, safety, or welfare and a specific explanation as to why it or they would be adequate.

(8) Three (3) sets of plans or drawings and supporting data that describe the area affected by the requested variance and any alternatives proposed by the applicant.

(9) Any information that the applicant believes may be helpful to the commission and its staff in evaluating a variance request, such as photographs.

(10) If the requested variance concerns a fire safety rule, written documentation that the local fire department is aware of the nature of the variance.

(11) If the requested variance involves a project for which plans and specifications have been, or must be, filed for a design release under 675 IAC 12-6 or if it involves a one (1) or two (2) family dwelling, written documentation that the local building official is aware of the nature of the variance.

(12) If the requested variance involves a project for which plans and specifications have been, or must be, filed for a design release under 675 IAC 12-6, a signed statement by the design professional (if there is one) that the information contained in the application is accurate.

(13) If the application is submitted on the applicant's behalf, a signed statement by the applicant that he or she is aware of the variance request and that it is made on his or her behalf.

(14) A signed statement by the person submitting the application or the applicant that the information contained in the application is accurate.

(Fire Prevention and Building Safety Commission; 675 IAC 12-5-5; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2686, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53

was filed Jul 17, 1987.]; errata, 11 IR 97; filed Aug 10, 1994, 10:40 a.m.: 17 IR 2859; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2086; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1000; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-5-6 Consideration of applications

Authority: IC 22-13-2-13

Affected: IC 4-21.5-3-4; IC 4-21.5-3-7; IC 22-12-7-3; IC 22-13-2-11

Sec. 6. (a) A variance application may be reviewed by the commission's staff prior to its consideration by the commission. Accordingly, and to allow for mailing of the application to commission members for their review, no variance request shall be placed on the commission's agenda for any meeting of the commission scheduled for a date less than twenty-eight (28) calendar days subsequent to the receipt of the variance request, except where the applicant would be prejudiced by having to wait for a later meeting because of excessive loss of time or unreasonable cost. Otherwise, a variance request shall be placed on the agenda for the first meeting scheduled later than twenty-eight (28) calendar days subsequent to the receipt of the variance request.

(b) The commission's staff may hold informal meetings with the applicant and/or representatives in the course of its review of a variance application.

(c) At its discretion, the commission's staff may make a recommendation to the commission concerning a variance request.

(d) The applicant may submit additional information or materials prior to the commission's meeting at which the variance will be considered in order to come into compliance with sections 4 and 5 of this rule or for other appropriate reasons.

(e) At the commission's meeting at which the variance is on the agenda, participation by the applicant or representative is at the discretion of the commission.

(f) If any additional factors not considered by the commission's staff in its review of the variance application come up in the meeting, the commission may table the variance until its next meeting to allow for further review.

(g) If the commission grants the variance, it may, if appropriate, impose requirements other than those suggested by the applicant.

(h) Any application for variance, pending or tabled for lack of information requested by the staff or the commission, after three (3) consecutive months, may be placed on the commission's agenda for determination. The commission shall base its determination on the written information provided by the applicant.

(i) The commission shall not grant a variance to any application that has been applied for, for which there is no violation of the commission's rules.

(j) An order granting or not granting a variance shall be issued following the requirements of IC 4-21.5-3-4. If a petition for review is subsequently granted under IC 4-21.5-3-7, that order shall be deemed merely to have been a preliminary determination. *(Fire Prevention and Building Safety Commission; 675 IAC 12-5-6; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2687, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2087; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1001; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 12-5-7 Architecturally or historically significant structures

Authority: IC 22-13-2-13

Affected: IC 14-21; IC 22-12-7-3; IC 22-13-2-11

Sec. 7. A structure shall be deemed as architecturally significant or historically significant if it has been placed on the National Register of Historic Places under the National Historic Preservation Act (16 U.S.C. § 470 et seq.) or if it has been placed on the Register of Indiana Historic Sites and Structures under IC 14-21. A determination that a structure has been determined eligible for the Register of Indiana Historic Sites and Structures by the Division of Historic Preservation and Archeology of the Indiana Department of Natural Resources creates a presumption that a structure is architecturally or historically significant. *(Fire Prevention and Building Safety Commission; 675 IAC 12-5-7; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2687, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2088; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 12-5-8 Fee refunds

Authority: IC 22-13-2-13

Affected: IC 22-12-7-3; IC 22-13-2-11

Sec. 8. (a) The variance application filing fee provided for by 675 IAC 12-3-4 is not refundable. However, the variance plan examination and processing fee is refundable if the applicant withdraws the application prior to the variance request being placed on the commission's agenda, or one (1) week prior to the commission's meeting on which it has been placed on the agenda, whichever is later.

(b) When the commission determines that a variance is not required because there is no violation of the commission's rules, or any variance fee has been paid or collected in error, the fee is refundable. (*Fire Prevention and Building Safety Commission; 675 IAC 12-5-8; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2687, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2088; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-5-9 Sanctions imposed on previously issued variances

Authority: IC 22-13-2-13

Affected: IC 4-21.5-3-6; IC 4-21.5-3-7; IC 4-21.5-4; IC 22-12-7-6; IC 22-12-7-7; IC 22-13-2-11

Sec. 9. (a) The commission may impose a sanction concerning a variance it has previously issued under IC 22-12-7-7. Available sanctions are revocation, suspension, censure, reprimand, and probation.

(b) The state building commissioner, state fire marshal, local fire department, local building officials, and individuals affected by the variance may submit information to the commission concerning the desirability of the imposition of such a sanction. At the commission's meeting at which the sanction is on the agenda, participation by the interested party or representative of the interested party is at the discretion of the commission.

(c) The commission may impose an appropriate sanction whenever one (1) or more of the following exist:

(1) It determines that the variance was obtained by the applicant by fraudulent or misleading statements or information.

(2) Notification of the required local officials required by 675 IAC 12-5-5(10) and 675 IAC 12-5-5(11) [*sic., section 5(10) and 5(11) of this rule*] was not given.

(3) That there has not been compliance with an alternative requirement contained in the variance.

(4) That circumstances have materially changed since a variance was granted so that, if the sanction is not imposed, public health, safety, or welfare will be adversely affected.

(d) The order imposing a sanction shall be issued under the requirements of IC 4-21.5-3-6. If a petition for review is subsequently granted under IC 4-21.5-3-7, that order shall be deemed to have been merely a preliminary determination.

(e) Sanctions under this section may be imposed under IC 22-12-7-6 and IC 4-21.5-4 where appropriate. (*Fire Prevention and Building Safety Commission; 675 IAC 12-5-9; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2687, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; errata, 11 IR 97; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2088; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1001; errata filed Jan 31, 2001, 9:22 a.m.: 24 IR 1670; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

Rule 6. Design Releases

675 IAC 12-6-1 Purpose and scope

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15-3

Sec. 1. (a) The purpose of this rule is to establish administrative procedures and general provisions for the filing of plans and specifications and the issuance of design releases under IC 22-15-3.

(b) This rule covers the filing of plans and specifications and the issuance of design releases for Class 1 structures. The filing of plans and specifications and the issuance of design releases for industrialized building systems and mobile structures are covered by the special administrative rules for industrialized building systems and mobile structure systems under 675 IAC 15. (*Fire Prevention and Building Safety Commission; 675 IAC 12-6-1; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2688, eff Aug 1, 1987 [IC 4-22-2-*

36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.; filed Sep 13, 1988, 2:34 p.m.: 12 IR 319; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2089; errata filed Apr 15, 1998, 10:30 a.m.: 21 IR 3367; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-6-2 Definitions

Authority: IC 22-13-2-13

Affected: IC 22-12-1-5; IC 22-12-1-17; IC 22-15-3; IC 25-4; IC 25-31; IC 32-1-6-2

Sec. 2. (a) The definitions in this section apply throughout this rule.

(b) "Class 1 structure" means the following:

(1) Any part of the following:

(A) A building or structure that is intended to be or is occupied or otherwise used in any part by any of the following:

(i) The public.

(ii) Three (3) or more tenants.

(iii) One (1) or more persons who act as the employees of another.

(B) A site improvement affecting access by persons with physical disabilities to a building or structure described in this subdivision.

(C) Storage facilities, tanks, and dispensing equipment for flammable and combustible liquids or gases.

(2) Subdivision (1) includes a structure that contains three (3) or more condominium units (as defined in IC 32-1-6-2) or other units that:

(A) are intended to be or are used or leased by the owner of the units; and

(B) are not completely separated from each other by an unimproved space.

(3) Subdivision (1) does not include a building or structure that:

(A) is intended to be or is used only for an agricultural purpose on the land where it is located; and

(B) is not used for retail trade or is a stand used for retail sales of farm produce for eight (8) or fewer consecutive months in a calendar year.

(4) Subdivision (1) does not include a Class 2 structure as defined by IC 22-12-1-5.

(5) Subdivision (1) does not include a vehicular bridge.

(c) "Construction" means any of the following:

(1) Erection or assembly of any part of a Class 1 structure at the site where it will be used.

(2) Installation of any part of the permanent heating, ventilating, air conditioning, electrical, plumbing, sanitary, emergency detection, emergency communication, or fire or explosion suppression systems for a Class 1 structure at the site where it will be used.

(3) Work undertaken to alter, remodel, rehabilitate, or add to any part of a Class 1 structure.

(4) Work undertaken to relocate any part of a Class 1 structure, except a mobile structure.

(d) "Design professional" means a registered architect or professional engineer who is registered under IC 25-4 or IC 25-31.

(e) "Structural safety" means the continued capability of load bearing members of a building or structure to transmit actual and design live and dead loads to a foundation or other load bearing members within the allowable working stresses of the materials or assembly of materials involved.

(f) "Temporary structure" means:

(1) a Class 1 structure that is erected or installed for a period of not more than ninety (90) days after which it will be demolished or relocated;

(2) portable structures on construction jobsites for use by persons involved in the construction process; or

(3) mobile structures as set forth at IC 22-12-1-17.

(Fire Prevention and Building Safety Commission; 675 IAC 12-6-2; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2688, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.; errata, 11 IR 97; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2089; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-6-3 Design release; requirement

Authority: IC 22-13-2-13

Affected: IC 22-15-3

Sec. 3. (a) No construction shall be done on a Class 1 structure until a design release has been issued by the office of the state building commissioner unless the construction is of a type specifically exempted from the design release requirements by section 4 of this rule (675 IAC 12-6-4). Design releases may be issued by the office of the state building commissioner only with the approval of the state fire marshal.

(b) If a foundation release is obtained under section 14 of this rule (675 IAC 12-6-14), construction may be done to the grade level only as provided for by section 14(c) of this rule (675 IAC 12-6-14(c)) and may not go beyond that point without the issuance of a design release or a partial design release authorizing the further construction.

(c) If a partial design release is obtained under section 15 of this rule (675 IAC 12-6-15), construction may be done to the extent of the partial design release but it may not exceed that scope without the issuance of a design release or another partial design release authorizing the further construction. (*Fire Prevention and Building Safety Commission; 675 IAC 12-6-3; filed Jul 17, 1987, 2:30 pm; 10 IR 2689, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-6-4 Exemptions from design release requirement

Authority: IC 22-13-2-13

Affected: IC 4-21.5; IC 22-15-3

Sec. 4. (a) Design releases are necessary for construction on all Class 1 structures, except the following:

(1) Class 1 structures that will never be occupied or otherwise used in any part by the public and which will not normally be occupied or otherwise used in any part by a person who is acting as an employee of another, of the following types:

(A) Oil derricks.

(B) Pipelines, including related physical support structures.

(C) Tanks for storage of products, other than flammable or combustible liquids or gases, which are factory fabricated and assembled.

(D) Electrical power cable transmission towers and substations.

(E) Structures used for communication purposes, except for satellite dishes exceeding ten (10) feet in diameter and antennas exceeding thirty (30) feet in length when mounted on the roof of a Class 1 structure.

(F) Structures appurtenant to industrial plants, power generating plants, gas plants, bulk storage facilities, and shipping terminals where the functions of such structures are primarily the support of related equipment.

(G) Structures of sewage, water, gas, and electric utilities.

(H) Signs, except those mounted on the roof of a Class 1 structure, which exceed one hundred (100) square feet of surface area.

(2) Temporary structures.

(3) Class 1 structures either:

(A) owned by the federal government; or

(B) located on land over which exclusive jurisdiction has been ceded to the federal government. (See 40 U.S.C. 255 and IC 4-21.5.)

(4) One (1) story detached accessory Class 1 structures in Group B, F, R, S, U, or M Occupancy classifications that do not exceed five hundred (500) square feet and are used as equipment shelters, tool and storage sheds (not used for the storage or handling of hazardous materials), freezers or coolers, or other similar uses.

(5) One (1) story attached additions to Class 1 structures in Group B, F, R, S, U, or M Occupancy classifications that:

(A) do not exceed three hundred (300) square feet;

(B) do not impose an excessive structural load onto the existing structure; and

(C) are used as equipment shelters, tool and storage sheds (not used for the storage or handling of hazardous materials), freezers, coolers, or other similar uses.

(6) One (1) story detached Class 1 structures that:

(A) do not exceed five hundred (500) square feet in floor area;

- (B) have at least one (1) unenclosed side; and
- (C) are used for personnel shelters, such as bus stops, picnic shelters, and gazebos.
- (7) One (1) story detached Class 1 structures that:
 - (A) do not exceed two hundred (200) square feet in floor area; and
 - (B) are used as guard houses or retail sales outlets, such as kiosks, drive-up facilities, and roadside fruit and vegetable stands.
- (8) Fences, except for those enclosing public swimming pools or liquified petroleum gas storage facilities.
- (9) Retaining or enclosure walls, except for those surrounding flammable or combustible liquids or gases storage facilities.
- (10) Installation or replacement of tanks and dispensing equipment for flammable and combustible liquids or gases if the scope of the work is limited to the following:
 - (A) Liquid petroleum gas (LPG) storage facilities having a total capacity of not more than four thousand (4,000) gallons and no single tank having a capacity of more than two thousand (2,000) gallons measured as gallons of water.
 - (B) Storage tanks for Class I, II, IIIA, or IIIB liquids, having a capacity of six hundred sixty (660) gallons or less and that are portable and are for temporary use only.
- (11) Structures to be used primarily for the display of agricultural products and not used for assembly purposes where such structures are located within a political subdivision qualified under 675 IAC 12-10-9.
- (b) Design releases are necessary for the remodeling or altering of all Class 1 structures, except work limited to one (1) or more of the following:
 - (1) Any of the buildings or structures the new construction of which is exempted by subsection (a).
 - (2) Plumbing work as follows:
 - (A) Replacement of piping, valves, or fixtures, provided that such replacement does not involve relocation of fixtures.
 - (B) Installation of plumbing fixtures, provided that the drainage fixture unit count does not exceed five (5).
 - (C) Replacement of water heaters with a similar type and capacity in the same location.
 - (D) Installation of water heaters with a capacity of one hundred (100) gallons or less.
 - (3) Electrical work as follows:
 - (A) Replacement in the same location of electrical equipment or devices of a similar type and rating, including an increase in current capacity in nonhazardous areas where there is no change in voltage or phases.
 - (B) Portable or temporary equipment and devices energized by means of cord and plug.
 - (C) Temporary installation of wiring and devices.
 - (D) Installation of branch circuits not exceeding the capacity of the electrical distribution system within the existing building.
 - (E) Low-energy power, control, and signal circuits of Classes II and III as defined in the Indiana Electrical Code except circuits for fire detection or fire alarm systems.
 - (F) Electrical wiring, apparatus, or equipment installed by a public or private utility in the exercise of its function as a serving utility for the generation, transmission, distribution, or metering of electrical energy, in the operation of signals, or the transmission of intelligence.
 - (G) Except for fire detection or fire alarm systems, electrical wiring, devices, appliances, apparatus, or equipment operating at less than twenty-five (25) volts and not capable of supplying more than fifty (50) watts of energy.
 - (4) Mechanical work as follows:
 - (A) Installation of any portable heating, ventilating, and air conditioning appliance or equipment.
 - (B) Replacement of mechanical appliances and equipment with a similar type and rating in the same location.
 - (C) Installation of a heating system having an output not in excess of four hundred thousand (400,000) British thermal units per hour, a cooling system having an output no greater than fifteen (15) tons (one hundred eighty thousand (180,000) British thermal units per hour), or a combination of the two (2) having an air-handling capacity not in excess of nine thousand (9,000) cubic feet per minute.
 - (D) Installation of heating or cooling equipment to be used for commercial processing work or activities where comfort of personnel is not of primary concern.
 - (5) Miscellaneous work as follows:
 - (A) Painting, papering, and replacement of coverings on walls, ceilings, roofs, or floors and similar finish work, including replacement or reglazing of glass.
 - (B) Cases, counters, and partitions not over six (6) feet in height.

(C) Penetrations of nonfire-rated exterior walls where the width of the opening does not exceed six (6) feet and is not for a required exit.

(D) Installation of one (1) or more nonload bearing partitions not to exceed a total of one hundred (100) lineal feet in length provided it is not part of a corridor or a partition that is required to be of fire-resistive construction.

(6) Fire sprinkler systems as follows:

(A) Fire sprinkler system additions and alterations described in this subdivision shall be permitted providing the scope of work performed does not exceed the limitations listed in either clause (D) or (E) or (F).

(B) All additions or alterations permitted by this subdivision shall be documented by the installer and kept on file with the maintenance and testing records required by 675 IAC 22.

(C) Replacement of components of existing wet fire sprinkler systems of light hazard or ordinary hazard classification as defined in 675 IAC 13, including:

(i) replacement of sprinkler heads;

(ii) replacement of equipment; or

(iii) replacement of piping to restore a system to its original condition and configuration.

(D) Alteration of existing light hazard or ordinary hazard fire sprinkler systems, including:

(i) relocating up to fifty (50) exposed or concealed sprinkler heads of a wet type system to accommodate new partitions or ceiling locations without increasing the design occupancy hazard or commodity classification;

(ii) conversion of a dry type system to a wet or antifreeze type system not exceeding ten (10) sprinkler heads; or

(iii) conversion of a wet or antifreeze type system not exceeding ten (10) sprinkler heads to a dry type system.

(E) The addition of sprinkler heads to an existing wet type fire sprinkler system of:

(i) twenty (20) or fewer sprinkler heads added to a light hazard system; or

(ii) ten (10) or fewer sprinkler heads added to an ordinary hazard system.

(F) Alterations allowed by clause (D) and additions allowed by clause (E) where the total number of sprinkler heads is fifty (50) or less for wet systems and ten (10) or less for dry systems including preaction systems.

(c) The design release requirements including filing of plans and specifications shall apply for any work otherwise exempted by subsection (b) when a part of, supplemental to, or an accessory of a construction project that otherwise requires a design release.

(d) Construction work on a Class 1 structure exempted from the design release requirements under this section is not exempt from compliance with other rules of the commission. (*Fire Prevention and Building Safety Commission; 675 IAC 12-6-4; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2689, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; errata, 11 IR 97; filed Oct 17, 1989, 11:05 a.m.: 13 IR 388; errata filed Aug 11, 1990, 5:00 p.m.: 13 IR 2140; filed Sep 21, 1992, 9:00 a.m.: 16 IR 714; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2090; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1002; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-6-5 Application process for design release

Authority: IC 22-13-2-13

Affected: IC 22-15-3

Sec. 5. An applicant for a design release shall:

(1) Submit one (1) Application for Construction Design Release form containing the information required by section 6 of this rule.

(2) Submit plans and specifications containing the items required by section 7 of this rule.

(3) Pay the fee provided for by section 8 of this rule and set in 675 IAC 12-3-2.

(*Fire Prevention and Building Safety Commission; 675 IAC 12-6-5; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2690, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2092; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-6-6 Application for construction design release

Authority: IC 22-13-2-13

Affected: IC 22-12-1-3; IC 22-15-3

FIRE PREVENTION AND BUILDING SAFETY COMMISSION

Sec. 6. (a) The Application for Construction Design Release (ACDR) form shall be available from the office of the state building commissioner and may be available from building departments of local units of government.

(b) The application shall be filed by the owner or on the owner's behalf by the design professional for the project.

(c) The ACDR shall contain the following items:

(1) The name and address of the owner, and the name, address, and registration number of the design professional for the project, if there is one.

(2) Describe the land on which the proposed work is to be done by legal description, street address, or similar description that will readily identify and definitely locate the proposed building or work.

(3) Identify and describe the work for which the application for a design release is being made.

(4) Indicate the use or occupancy for which the proposed work is intended.

(5) State the total gross square feet of:

(A) all floors of any Class 1 structure;

(B) all floors of any addition to an existing Class 1 structure, and all floors of the existing portion of the Class 1 structure; and

(C) all floors of Class 1 structures that are undergoing remodeling or alteration (including both floors that are and are not undergoing remodeling or alteration).

(6) State whether or not the plans and specifications are being submitted under 675 IAC 12-8.

(7) State the estimated costs of all construction work included in the project for which application for design release is being made.

(8) Give such other reasonable data and information concerning compliance with the rules of the commission that the state building commissioner may require.

(9) Be signed by the owner or an authorized agent, who shall certify that the project will be constructed in compliance with all applicable rules of the commission and will not be changed (unless permitted under section 18 of this rule) from the design specified in the plans and specifications submitted with the application and released by the office of the state building commissioner. Any person purporting to be an agent of the owner may be required to submit written authorization of such fact.

(10) If a design professional is required by section 9 of this rule, the application shall include a certificate by the design professional sworn or affirmed under penalty of perjury stating:

(A) That the information required by subdivisions (1) through (8) is true and accurate.

(B) That the plans and specifications submitted for the application were prepared either by or under the immediate supervision of the person making the statement.

(C) That the plans and specifications submitted for the application provide for construction that will meet all building laws as that term is defined by IC 22-12-1-3, including all building rules of the commission.

(D) That the construction covered by the application will be subject to inspection at intervals appropriate to the stage of the construction by a design professional identified in the statement for the purpose of determining in general if work is proceeding in accordance with the released plans and specifications.

(Fire Prevention and Building Safety Commission; 675 IAC 12-6-6; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2691, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; errata, 11 IR 97; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2092; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-6-7 Plans and specifications

Authority: IC 22-13-2-13

Affected: IC 22-15-3; IC 25-4; IC 25-31

Sec. 7. (a) Plans and specifications filed with an application for a design release shall comply with this section.

(b) All plans and specifications and any supporting data filed shall be sufficiently clear and complete to show in detail that the proposed work will comply with the rules of the commission. They shall be in the English language and dimensions shall be in the English units of measurement (yards, feet, or inches).

(c) One (1) complete set of plans and specifications required by this section shall be filed for review and shall not be returned to the applicant.

(d) No additional copies of the plans and specifications filed with the application for design release may be filed; however,

additional copies may be made by the applicant and utilized on the construction job site as required by section 19 of this rule and to meet requirements of local units of government.

(e) If a design professional is required by section 9 of this rule:

(1) the plans and specifications shall be prepared by a design professional who is competent to design the construction covered by the application and is registered under IC 25-4 or IC 25-31;

(2) each page of all drawings (plans) and the title page of all specifications shall include the legible signature and the seal of the design professional described in subdivision (1) or the person's technical or professional staff; and

(3) the plans and specifications shall be filed by the design professional described in subdivision (1) or the person's technical or professional staff.

(f) If a design professional is not required by section 9 of this rule, but the plans and specifications are nonetheless prepared and filed by a design professional, such filing shall not be required to comply with subsection (e) and section 6(c)(10) of this rule.

(g) If a design professional is not required by section 9 of this rule and the plans and specifications are not prepared and filed by a design professional, the owner shall sign and date all documents, on the first page of all drawings (plans) and the title page of all specifications.

(h) Plans and specifications filed under this section shall include all of the following as applicable:

(1) A site plan drawn to scale, showing dimensioned location of building property lines, and to all adjacent buildings on the property, as well as width of any street or easements bordering the property.

(2) Foundation and basement plans and details.

(3) Detailed dimensioned floor plans drawn to scale for all floors showing such items as wall configuration and fire rating, exitways, doors, windows, location of plumbing fixtures, chairlifts, elevators, and room designation.

(4) Fire and life safety plans showing graphically or by legend the location and rating of building elements, such as area separation walls, occupancy separation walls, smoke barriers, fire-rated corridor walls, stair enclosures, shaft enclosures, and horizontal exits.

(5) Wall elevations of all exterior walls.

(6) Sections and details of walls, floors, and roofs showing dimensions, materials, and heat transfer ratings.

(7) Structural plans and elevations showing size and location of all members, truss designs showing all connection details, and all stress calculations if specifically requested.

(8) Details indicating how required structural and fire-resistive integrity will be maintained where wall, floor, and ceiling penetrations will be made for electrical, mechanical, plumbing, and communication conduit, pipes, and similar systems.

(9) Room finish schedules showing finishes for walls, ceilings, and floors in all rooms, stairways, and corridors.

(10) Door schedules showing material, size, thickness, and fire resistance rating for all doors, frames, and hardware.

(11) Construction specifications, which for small projects may be on the plans.

(12) Electrical plans showing the electrical distribution system, service equipment, grounding methods, emergency and standby power systems, and any power or lighting information required for compliance with the Indiana Energy Conservation Code under 675 IAC 19.

(13) Plumbing plans showing fixture location, risers, drains, and piping isometrics.

(14) Mechanical plans showing location and size of ductwork, equipment, fire dampers, and smoke dampers, and equipment schedules showing capacity.

(15) Energy conservation details to include design criteria, exterior envelope component materials, U values of the envelope system, R values of insulating materials, size and type of equipment, and systems controls.

(16) Accessibility details to include access to buildings, ramps and walks with slope, dimensioned restroom plans and clearances, grab bars, door swing and size, and special seating accommodations.

(17) Plans for automatic fire-extinguishing systems showing automatic sprinkler piping size and spacing, standpipes, fire pumps, water supply data, rating of sprinkler heads, and other specific requirements contained in NFPA Standards 11, 12, 13, 13R, 14, 20, and 2001 as adopted in 675 IAC 13.

(18) Plans for fire detection and alarm systems showing location and type of detection activation devices (automatic or manual), control panels, annunciator panels and zones, water flow devices, and other specific requirements contained in NFPA Standard 72 as adopted in 675 IAC 22.

(19) Plans for public swimming pools showing area and volume, enclosure for pool area, turnover rate, filtration and circulation system, swimmer load, materials, shape and depth of pool, deck design, ladders, steps, drainage system, water supply system, and electrical system.

(20) Additional information as may be needed to substantiate claims that the proposed construction will comply with the rules of the commission.

(Fire Prevention and Building Safety Commission; 675 IAC 12-6-7; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2691, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Oct 17, 1989, 11:05 a.m.: 13 IR 390; filed Aug 10, 1994, 10:40 a.m.: 17 IR 2860; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2093; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1004; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-6-8 Fees

Authority: IC 22-13-2-13

Affected: IC 22-15-3

Sec. 8. (a) An application for a design release shall be accompanied by payment of the appropriate plan review fee as set forth in 675 IAC 12-3.

(b) Additional special processing fees shall be paid as required by 675 IAC 12-3.

(c) The surcharge for late filing of plans and specifications shall apply when:

(1) construction is begun on a Class 1 structure where a design release is required before the design release has been issued by the office of the state building commissioner; and

(2) the construction jobsite has been inspected by any representative of the office of the state building commissioner.

(Fire Prevention and Building Safety Commission; 675 IAC 12-6-8; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2693, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2094; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-6-9 Design professionals

Authority: IC 22-13-2-13; IC 22-15-3-3

Affected: IC 22-15-3

Sec. 9. (a) Design professionals are required for the construction of Class 1 structures where a design release is required, except any of the following:

(1) Class 1 structures with thirty thousand (30,000) or fewer cubic feet of space.

(2) Additions to Class 1 structures if the addition adds thirty thousand (30,000) or fewer cubic feet of space.

(3) Alteration to a Class 1 structure if the alteration does not involve changes affecting the structural safety of the Class 1 structure.

(4) Installation or alteration of an automatic fire sprinkler system in a Class 1 structure designed by persons as described in subsection (b).

(b) The design for the installation or alteration of an automatic fire sprinkler system shall be prepared by a qualified person with any of the following requirements:

(1) Has been registered as a design professional as defined in section 2(d) of this rule.

(2) Has been certified as a Level III or Level IV automatic sprinkler layout technician by the National Institute for Certification in Engineering Technologies.

(3) Has been certified by an agency substantially similar to that of subdivision (2) and approved by the fire prevention and building safety commission. Such certification shall include the following:

(A) Not less than five (5) years of experience laying out fire sprinkler systems.

(B) Having done independent engineering technician work with little or no supervision on jobs covered by standards and complete plans, specifications, or instructions.

(C) A demonstration of knowledge regarding the following topics:

(i) The relationship between plans, specifications, and contracts.

(ii) Preparation of simple designs.

(iii) The basic application of NFPA Standards.

(iv) Basics of sprinkler systems.

(v) Basic materials and components.

(vi) Fundamentals of mathematics.

- (vii) Fundamentals of physical science.
 - (viii) Construction plans.
 - (ix) Fire protection plans and symbols.
 - (x) Basics of system layout.
 - (xi) Classification of occupancies.
 - (xii) Water supply requirements.
 - (xiii) System connections.
 - (xiv) System piping configurations, schedules, and sizes.
 - (xv) Requirements of spacing.
 - (xvi) Sprinkler location and position.
 - (xvii) Pipe joining techniques and fittings.
 - (xviii) Pipe hangers and hanging.
 - (xix) Wet and dry systems.
 - (xx) Hydraulic calculations of systems.
 - (xxi) Underground piping.
 - (xxii) Special sprinklers, such as residential, quick response, and extended coverage sprinklers.
 - (xxiii) Water flow tests.
 - (xxiv) Fundamentals of hydraulics.
 - (xxv) Dwelling sprinklers.
 - (xxvi) Advanced hydraulic calculations.
 - (xxvii) Hydraulic design area.
- (D) A demonstration of knowledge regarding the following:
- (i) Any two (2) of the following three (3) topics:
 - (AA) Basic communication skills.
 - (BB) Basic metric units and conversions.
 - (CC) Basic principles of combustion.
 - (ii) Any three (3) of the following seven (7) topics:
 - (AA) Specifications and cost estimates.
 - (BB) Contracts.
 - (CC) Building codes.
 - (DD) Insurance authorities and their requirements.
 - (EE) Common material specifications.
 - (FF) System components and limitations.
 - (GG) Special piping materials.
 - (iii) Any ten (10) of the following thirteen (13) topics:
 - (AA) Exposure protection systems.
 - (BB) Selection of fire pumps.
 - (CC) Pump flow tests.
 - (DD) High piled storage.
 - (EE) Rack storage.
 - (FF) Sprinkler system maintenance.
 - (GG) Standpipe systems.
 - (HH) Fire pumps and systems.
 - (II) Storage tanks.
 - (JJ) Alarms and system supervision.
 - (KK) Fundamentals of fire extinguishment.
 - (LL) Seismic bracing.
 - (MM) Surveys for fire protection.
 - (iv) Any six (6) of the following eleven (11) topics:
 - (AA) Project scheduling and coordination.
 - (BB) Bid invitation package and bid proposal.

- (CC) Contractual requirements and interpretations.
 - (DD) Shop and erection drawings.
 - (EE) System acceptance tests.
 - (FF) Antifreeze systems.
 - (GG) Water cooling towers.
 - (HH) Aircraft hangars.
 - (II) Internal and external corrosion.
 - (JJ) Meters and backflow protection.
 - (KK) Land surveying.
- (v) Any three (3) of the following ten (10) topics:
- (AA) Multipurpose piping.
 - (BB) Water spray systems.
 - (CC) Foam systems.
 - (DD) Halon systems.
 - (EE) Carbon dioxide systems.
 - (FF) Alarm and supervisory systems.
 - (GG) Dry chemical systems.
 - (HH) Foam-water systems.
 - (II) Sprinklers and valves.
 - (JJ) Large drop sprinkler systems.

A copy of the qualified person's certification or registration pocket card shall be submitted with the application for construction design release.

(c) The requirements for design professionals apply to all types of design releases provided for in this rule. If a construction project originally required a design professional, then a design professional is required for all partial design releases and addenda and revision design releases for that project. (*Fire Prevention and Building Safety Commission; 675 IAC 12-6-9; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2693, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jul 2, 1993, 3:30 p.m.: 16 IR 2554; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2094; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1005; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-6-10 Predesign conferences

Authority: IC 22-13-2-13
Affected: IC 22-15-3

Sec. 10. An applicant may request in writing consultation with representatives of the offices of the state building commissioner and the state fire marshal for the purpose of resolving questions on the application of the rules of the commission to a specific project. The results of any such consultations shall not be binding on said offices in the consideration of an application for a design release and in no way shall serve as a substitute for the authority of the commission to grant or deny variances under 675 IAC 12-5. (*Fire Prevention and Building Safety Commission; 675 IAC 12-6-10; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2693, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1006; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-6-11 Alternative materials, methods, and design

Authority: IC 22-13-2-13
Affected: IC 22-15-3

Sec. 11. (a) This section does not authorize a variance from any rule adopted by the commission.

(b) The rules adopted by the commission do not prevent the use of:

- (1) materials;
- (2) methods of construction; or
- (3) design procedures;

if they are not specifically prohibited in the rules and if they are approved under subsection (c) or (e).

(c) The state fire marshal and the state building commissioner may, in the review of an application for a design release, consider as evidence of compliance with the rules adopted by the commission any evaluation report that:

(1) contains limitations, conditions, or standards for alternative materials, method of construction, or design procedures; and

(2) is:

(A) published by an independent, nationally recognized testing laboratory; or

(B) other organization listed in subsection (d).

(d) The following laboratories or organizations, with their applicable evaluation reports, are approved:

(1) Factory Mutual Loss Prevention Data Sheets, and test reports (FM).

(2) International Organization for Standardization (ISO) (ISO standards listed by the American National Standards Institute).

(3) International Electrotechnical Commission (IEC), (IEC standards listed by the American National Standards Institute).

(4) Japan Industrial Standards (JIS) (which are found to be equivalent to ANSI standards).

(5) German Institute for Standards (Deutsches Institut für Normung) (DIN) (standards which are found to be equivalent to ANSI standards).

(6) French Standards Association (AFNOR) (standards which are found to be equivalent to ANSI standards).

(7) Canadian Standards Association (CSA) (which are found to be equivalent to ANSI standards).

(8) BOCA Evaluation Services, Inc., Building Officials and Code Administrators International (BOCA) (research reports).

(9) Council of American Building Officials (CABO) (National Evaluation Services (NES) evaluation reports).

(10) ICBO Evaluation Services Inc. International Conference of Building Officials (ICBO) (ICBO Evaluation Service Inc. evaluation reports).

(11) SBCCI Public Safety Testing and Evaluation Services, Inc., Southern Building Code Congress International (SBCCI) (compliance reports).

(12) International Association of Plumbing and Mechanical Officials (IAPMO) (Directory of Research Recommendations).

(e) The state building commissioner may, in the review of an application for a design release, accept as evidence of compliance with provisions of the Indiana building code under 675 IAC 13, similar provisions of the ADA Accessibility Guidelines for Buildings and Facilities included as Appendix A, Standards for Accessible Design, Part 36 Nondiscrimination on the Basis of Disability by Public Accommodations and in Commercial Facilities (28 CFR 36) as published in 56 FR 144 on July 26, 1991, on pages 35544 through 35691. (*Fire Prevention and Building Safety Commission; 675 IAC 12-6-11; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2693, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Oct 17, 1989, 11:05 a.m.: 13 IR 391; filed Sep 21, 1992, 9:00 a.m.: 16 IR 715; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2095; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-6-12 Consideration of applications for design releases

Authority: IC 22-13-2-13

Affected: IC 4-21.5-3-4; IC 4-21.5-3-7; IC 22-15-3

Sec. 12. (a) The office of the state building commissioner shall consider applications for design releases and plans and specifications filed under this rule in conjunction with the office of the state fire marshal. No design release shall be issued unless:

(1) section 5 of this rule has been complied with by the applicant;

(2) the plans and specifications submitted with the application have been reviewed by the office of the state building commissioner for compliance with the rules of the commission; and

(3) the plans and specifications submitted with the application have been presented to the office of the state fire marshal and approved in writing by the office of the state fire marshal.

(b) Subsequent to the filing of an application the applicant may be requested to submit additional information or documents to place the application in compliance with section 5 of this rule or to modify the plans and specifications in order to place them in compliance with the rules of the commission. If the applicant has not done so within thirty (30) days following the date of request, the design release shall be subject to denial by the state building commissioner.

(c) The order granting or denying the design release shall be issued by the office of the state building commissioner following the requirements of IC 4-21.5-3-4. If a petition for review is subsequently granted under IC 4-21.5-3-7, the resulting administrative proceeding shall be conducted by the commission.

(d) Prior to the issuance of an order by the office of the state building commissioner under subsection (c), a meeting between the executive director of the department, the state building commissioner, and the state fire marshal may be called by the executive

director of the department:

(1) upon request of the state building commissioner or the state fire marshal, if the state building commissioner and the state fire marshal cannot agree on the issuance of a design release; or

(2) upon request of the applicant for the design release, if the office of the state building commissioner and the office of the state fire marshal have not acted to issue or deny the design release within a reasonable time after the application is submitted to the office.

(e) At a meeting called under subsection (d), the executive director of the department, the state building commissioner, and the state fire marshal shall review the application for a design release and shall, by majority vote, issue a final decision. Said order shall be issued following the requirements of IC 4-21.5-3-4 and shall eliminate the need for an order to be issued under subsection (c). If a petition for review is subsequently granted under IC 4-21.5-3-7, the resulting administrative proceeding shall be conducted by the commission. (*Fire Prevention and Building Safety Commission; 675 IAC 12-6-12; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2694, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2097; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-6-13 Denial and subsequent application

Authority: IC 22-13-2-13

Affected: IC 4-21.5-3-7; IC 22-15-3

Sec. 13. (a) Subsequent to the denial of a design release under section 12(c) and 12(e) of this rule, any further consideration of a design release may only be done under a new application for design release under section 5 of this rule, including a new application, plans and specifications, and paying of appropriate fees.

(b) After denial of a design release (at the expiration of the time period for filing a petition for review under IC 4-21.5-3-7 or after resolution of a petition for review, whichever date is later), all plans and specifications previously filed will be subject to being destroyed without notice to the applicant, but may be returned to the applicant upon a timely request. (*Fire Prevention and Building Safety Commission; 675 IAC 12-6-13; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2695, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2098; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-6-14 Foundation releases

Authority: IC 22-13-2-13

Affected: IC 22-15-3

Sec. 14. (a) A foundation release may be issued by the office of the state building commissioner, with the approval of the office of the state fire marshal, upon the request of an applicant for a design release to allow for construction work to the extent stated in subsection (c) to be undertaken prior to plan review and consideration of the issuance of a design release if:

(1) the documents and fees required under section 5 of this rule have been submitted;

(2) the applicant submits an application on a form provided by the office of the state building commissioner stating the name and address of the construction project and agreeing to comply with the provisions of subsections (c) and (e); and

(3) the applicant pays the fee for a foundation release set by 675 IAC 12-3.

(b) A foundation release may not be issued for a construction project unless requested at the time of the filing of the documents and payment of the fees required by section 5 of this rule.

(c) A foundation release shall allow work to grade level only which may include slab on grade and underground mechanical, electrical, and plumbing work, but does not allow work on more than one (1) floor below grade level. As an exception, any continuous structural member, such as a pole, may extend from its footing below grade to its intended height above grade.

(d) Any corrective work found to be necessary as a result of the project plan review conducted subsequent to the issuance of the foundation release shall be done at the applicant's expense.

(e) The issuance of a foundation release upon receipt of the documents and fees required by section 5 of this rule does not limit the ability of the office of the state building commissioner to require additional information or fees required by this rule if subsequent plan review shows that such is necessary.

(f) Any construction work beyond foundation or grade level done under a foundation release shall be prohibited until an

appropriate design release is issued.

(g) Requests for foundation releases shall be subject to the provisions of section 12 of this rule. (*Fire Prevention and Building Safety Commission; 675 IAC 12-6-14; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2695, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; errata, 11 IR 97; filed Sep 21, 1992, 9:00 a.m.: 16 IR 717; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-6-15 Partial design releases

Authority: IC 22-13-2-13

Affected: IC 22-15-3

Sec. 15. (a) A partial design release may be issued by the office of the state building commissioner with the approval of the office of the state fire marshal.

(b) Applicants for design releases may request partial design releases in order to facilitate project designing, bidding, and construction or for other valid reasons. Requests for partial design releases shall be filed with all of the documents and fees required under section 5 of this rule (675 IAC 12-6-5) except to the extent the plans and specifications outside the scope of the partial design release request need not be filed.

(c) Requests for partial design releases shall be submitted on a form provided by the state building commissioner with the following information:

- (1) The name and address of the construction project.
- (2) The state building commissioner's project number.
- (3) The scope of the work involved in the desired partial design release.

(4) Such other reasonable data and information concerning compliance with the rules of the commission that the state building commissioner requires.

(d) The document required by subsection (c) of this section shall be signed by the owner and design professional if one is required for the construction project.

(e) Each separate part of plans and specifications filed for partial design releases (foundation, structure, plumbing, electrical, fire protection systems, etc.) shall be submitted in sufficient detail to assure that its proposed portion complies with the rules of the commission.

(f) Any construction beyond the scope of a partial design release shall be prohibited until an appropriate design release is issued for the further construction work.

(g) Requests for partial design releases shall be subject to the provisions of section 12 of this rule. (*Fire Prevention and Building Safety Commission; 675 IAC 12-6-15; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2696, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1006; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-6-16 Master plan design release

Authority: IC 22-13-2-13

Affected: IC 4-21.5-3-6; IC 4-21.5-3-7; IC 22-15-3

Sec. 16. (a) Master plan design releases may be issued by the office of the state building commissioner with the approval of the office of the state fire marshal.

(b) As used in this section, "master plan" means a set of plans and specifications for Class 1 structures the scope of which includes only the structural framing and shell enclosures and does not include any mechanical, plumbing, electrical, energy conservation, and accessibility systems or components.

(c) The purpose of a master plan design release is to simplify the use of the same design for more than one (1) Class 1 structure by eliminating repetitive filing and review of plans and specifications within the scope of a master plan.

(d) To apply for a master plan design release the applicant shall submit to the office of the state building commissioner:

- (1) An application for construction design release as provided for by section 6 of this rule.
- (2) The fee set for master plan filing in 675 IAC 12-3-4.

(3) Plans and specifications as provided for by section 7 of this rule, except that plans and specifications normally required by section 7 [of this rule] but outside the scope of the desired master plan design need not be filed.

(e) The issuance of a master plan design release does not authorize any specific construction project and therefore does not eliminate the requirement for a separate design release applied for under section 5 of this rule. All applications for design releases that utilize a master plan design shall reference the master plan design release number assigned by the office of the state building commissioner.

(f) Requests for master plan design releases shall be subject to the provisions of section 12 of this rule.

(g) A master plan design release shall expire when the state building commissioner:

(1) determines that because of changes in the Indiana Building Code the plans and specifications may no longer comply with the rules of the commission; and

(2) issues an order following the requirements of IC 4-21.5-3-6.

(h) If a petition for review of the state building commissioner's order under subsection (g) of this section is subsequently granted under IC 4-21.5-3-7, the resulting administrative proceeding shall be conducted by the commission. (*Fire Prevention and Building Safety Commission; 675 IAC 12-6-16; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2696, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2098; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1007; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-6-17 Conditional design releases

Authority: IC 22-13-2-13

Affected: IC 22-15-3

Sec. 17. In order to facilitate the issuance of design releases when the plan review process finds minor omissions or minor items contrary to the rules of the commission, conditional design releases may be issued without the need for further or corrected plans and specifications being filed. Conditional design releases may be issued for all types of design releases except foundation releases. Such conditions shall be binding unless a petition for review is filed under 675 IAC 12-6-12. (*Fire Prevention and Building Safety Commission; 675 IAC 12-6-17; filed Jul 17, 1987, 2:30 pm: 10 IR 2697, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-6-18 Addenda or revised design releases

Authority: IC 22-13-2-13

Affected: IC 22-15-3

Sec. 18. (a) No design changes or additions to the scope of work shall be made on a construction project subsequent to the issuance of an applicable design release unless an addenda or revised design release is issued by the office of the state building commissioner with the approval of the office of the state fire marshal.

(b) Such design changes shall not include increases in project height or area.

(c) An applicant for an addenda or revised design release shall submit the following to the office of the state building commissioner:

(1) On a form provided by the state building commissioner, which shall be signed by the owner and design professional, if one is required for the construction project, the following information:

(A) The name and address of the construction project.

(B) The state building commissioner's project number.

(C) The scope of the work involved in the design changes or additions.

(D) By page or sheet number, the portions of the original plans and specifications being changed.

(E) Such other reasonable data and information concerning compliance with the rules of the commission that the state building commissioner may require.

(2) One (1) copy of all changed plans and specifications.

(3) The fee established in 675 IAC 12-3.

(d) Requests for addenda or revised design releases shall be subject to the provisions of section 12 of this rule.

(e) Subsequent to the issuance of an addenda or revised design release, the original design release remains in effect as modified by the addenda or revision design release. (*Fire Prevention and Building Safety Commission; 675 IAC 12-6-18; filed Jul*

17, 1987, 2:30 p.m.: 10 IR 2697, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2098; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1007; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-6-19 A copy of the design release; posting; maintenance of plans and specifications

Authority: IC 22-13-2-13

Affected: IC 22-15-3

Sec. 19. (a) A copy of the design release shall be posted by the applicant in a conspicuous place on the premises, protected from the weather and located in such a position so it can be conveniently seen by inspectors.

(b) A complete set of plans and specifications that conform exactly to the design that was released by the office of the state building commissioner shall be maintained on the construction job site.

(c) A copy of the design release shall remain posted, and plans and specifications maintained, on the construction job site until occupancy of the Class 1 structure. (*Fire Prevention and Building Safety Commission; 675 IAC 12-6-19; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2697, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1008; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-6-20 Expiration of design releases

Authority: IC 22-13-2-13

Affected: IC 4-21.5-3-4; IC 4-21.5-3-7; IC 22-15-3

Sec. 20. (a) All design releases (except master plan releases) expire if the construction work on all buildings within the scope of the design release is not commenced within one (1) year of the date of such release. However, an owner holding a design release who is unable to commence construction work within one (1) year of the issuance of the design release for good and satisfactory reasons may apply for an extension of time within which he or she may commence work under that design release. The office of the state building commissioner may extend the design release one (1) time for a period not exceeding one hundred eighty (180) days if:

- (1) no changes have been made in the plans and specifications filed with the original application for a design release;
- (2) no changes to the rules of the commission applicable to the scope of the design release have been made;
- (3) the extension is requested in writing by the applicant verifying subsection (a)(1); and
- (4) the release extension fee established by 675 IAC 12-3 has been paid.

(b) If the construction work authorized by a design release is suspended or abandoned at any time after construction work is commenced for a period of one hundred eighty (180) days, such construction work may be recommenced only after the issuance of a design release reinstatement by the office of the state building commissioner. Such reinstatement may be issued by the state building commissioner if:

- (1) the construction work has been suspended or abandoned for more than one hundred eighty (180) days but less than one (1) year;
- (2) no changes have been made in the plans and specifications filed with the original application for a design release;
- (3) no changes to the rules of the commission applicable to the scope of the design release have been made;
- (4) the reinstatement is requested in writing by the applicant verifying subsection (b)(1) and (b)(2); and
- (5) the release reinstatement fee established by 675 IAC 12-3 has been paid.

(c) The order granting or denying a reinstatement or extension shall be issued by the office of the state building commissioner following the requirements of IC 4-21.5-3-4. If a petition for review is subsequently granted under IC 4-21.5-3-7, the resulting administrative proceeding shall be conducted by the commission. (*Fire Prevention and Building Safety Commission; 675 IAC 12-6-20; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2697, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2099; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-6-21 Compliance with rules

Authority: IC 22-13-2-13
Affected: IC 22-15-3

Sec. 21. The issuance of a design release does not relieve the owner from compliance with all applicable rules of the Commission even if items contrary to the rules of the Commission are shown in plans and specifications that have been filed with the office of the state building commissioner. *(Fire Prevention and Building Safety Commission; 675 IAC 12-6-21; filed Jul 17, 1987, 2:30 pm: 10 IR 2698, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 12-6-22 Requirements of other laws

Authority: IC 22-13-2-13
Affected: IC 22-15-3

Sec. 22. The issuance of a design release in no way relieves the applicant from the requirements of any law including statute, rules, regulations or ordinances of the federal government, the state government and local units of government. *(Fire Prevention and Building Safety Commission; 675 IAC 12-6-22; filed Jul 17, 1987, 2:30 pm: 10 IR 2698, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 12-6-23 Design release revocations

Authority: IC 22-13-2-13
Affected: IC 4-21.5-3-6; IC 4-21.5-3-7; IC 22-12-7-7; IC 22-15-3

Sec. 23. (a) Under IC 22-12-7-7, the state building commissioner may impose a sanction concerning any type of design release previously issued. Available sanctions are:

- (1) revocation;
- (2) suspension;
- (3) censure;
- (4) reprimand; and
- (5) probation.

(b) The state building commissioner may impose an appropriate sanction whenever one (1) or more of the following exist:

- (1) If a determination is made that the design release was obtained by fraudulent or misleading statements or information, including plans and specifications.
- (2) Circumstances have materially changed since a design release was granted so that if the sanction is not imposed, public health, safety, or welfare will be adversely affected.
- (3) The construction done subsequent to the issuance of the design release is contrary to the rules of the commission.
- (4) A check paying an applicable fee is returned.
- (5) The design release was issued in error, on the basis of incorrect information, or in violation of a rule of the commission or a building law.

(c) The order imposing a sanction shall be issued under the requirements of IC 4-21.5-3-6. If a petition for review is subsequently granted under IC 4-21.5-3-7, the resulting administrative proceeding shall be conducted by the commission. *(Fire Prevention and Building Safety Commission; 675 IAC 12-6-23; filed Jul 17, 1987, 2:30 p.m.: 10 IR 2698, eff Aug 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for 30 days after filing with the secretary of state. LSA Document #87-53 was filed Jul 17, 1987.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2100; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

Rule 7. Local Plan Review

675 IAC 12-7-1 Purpose and scope

Authority: IC 22-13-2-13
Affected: IC 22-15-3-1

Sec. 1. (a) The purpose of this rule is to establish administrative procedures for the review of plans and specifications by certified cities, towns or counties under IC 22-15-3-1(e), and thereby reduce the time needed by the office of the state building commissioner to issue a design release under 675 IAC 12-6.

(b) This rule pertains to the review of plans and specifications for Class 1 structures by a city, town, or county prior to the granting or denying of a design release by the office of the state building commissioner under IC 22-15-3 and 675 IAC 12-6.

(c) This rule does not apply to, or permit, plan review by a city, town, or county for industrialized building systems, automatic fire extinguishing or standpipe systems, regulated lifting devices, and boilers and pressure vessels. (*Fire Prevention and Building Safety Commission; 675 IAC 12-7-1; filed Feb 1, 1988, 2:15 p.m.: 11 IR 1787; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2100; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-7-2 Certification; application

Authority: IC 22-13-2-13

Affected: IC 4-21.5-3-4; IC 4-21.5-3-7; IC 22-13-2-3; IC 22-15-3-1

Sec. 2. (a) A city, town, or county that has in its employ a person qualified under this rule whose duties include the review of construction plans and specifications for conformance with applicable rules of the commission, may apply for certification under IC 22-15-3-1(e).

(b) Application may be made in letter form by the executive officer(s) of a city, town, or county. An application shall include the following:

(1) The name and title of each qualified plan reviewer.

(2) Documents that show that each plan reviewer has successfully passed the competency test designated in this rule.

(3) A signature card completed by each qualified plan reviewer.

(4) A statement by the applicant that prompt notification shall be given to the office of the state building commissioner upon the termination of employment or assignment to other duties of any qualified plan reviewer.

(5) A statement that the city, town, or county has adopted the rules of the commission under IC 22-13-2-3.

(c) The state building commissioner shall, upon receipt of an application under this section, determine if the applicant city, town, or county is competent to perform plan review for Class 1 structures. The order granting or denying the certification shall be issued following the requirements of IC 4-21.5-3-4. If a petition for review is subsequently granted under IC 4-21.5-3-7, the resulting administrative proceeding shall be conducted by the commission. (*Fire Prevention and Building Safety Commission; 675 IAC 12-7-2; filed Feb 1, 1988, 2:15 p.m.: 11 IR 1787; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2100; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-7-3 Certification; sanctions

Authority: IC 22-13-2-13

Affected: IC 4-21.5-3-6; IC 4-21.5-3-7; IC 22-12-7-7; IC 22-15-3-1

Sec. 3. (a) Under IC 22-12-7-7, the state building commissioner may impose a sanction concerning any certification of a city, town, or county. Available sanctions are revocation, suspension, censure, reprimand, and probation.

(b) The state building commissioner may impose an appropriate sanction whenever one (1) or more of the following exist:

(1) It is determined that substantial and frequent failure to detect and report errors or omissions in plans and specifications that could result in noncompliance with applicable rules of the commission.

(2) Failure to comply with the procedural requirements of this rule.

(3) Failure to retain in employment at least one (1) qualified plan reviewer assigned to plan review duties.

(c) The order imposing a sanction shall be issued under the requirements of IC 4-21.5-3-6. If a petition for review is subsequently granted under IC 4-21.5-3-7, the resulting administrative proceeding shall be conducted by the commission. (*Fire Prevention and Building Safety Commission; 675 IAC 12-7-3; filed Feb 1, 1988, 2:15 p.m.: 11 IR 1788; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2101; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-7-4 Competency testing; written examinations

Authority: IC 22-13-2-13

Affected: IC 22-15-3-1

Sec. 4. (a) A written test shall be administered to determine if a person is a qualified plan reviewer for the purposes of this rule. The test shall be administered by the division of education and information of the fire and building services department. The test shall be in two (2) parts:

- (1) the plans examiner test prepared by the International Conference of Building Officials (ICBO); and
- (2) the state plan review test prepared by the office of the state building commissioner.
- (b) The test shall be administered not less than two (2) times each year at the department offices in Indianapolis, Indiana.
- (c) The test shall be based on:
 - (1) the editions of the Uniform Building Code, Uniform Building Code Standards, Uniform Fire Code and Uniform Fire Code Standards adopted by reference in 675 IAC 13, and 675 IAC 22;
 - (2) those portions of the Indiana building code that are substantially different than the Uniform Building Code, and those portions of 675 IAC 22 that are substantially different than the Uniform Fire Code;
 - (3) the commission's rules covering design releases in 675 IAC 12-6; and
 - (4) the commission's rules found in 675 IAC 12-4.
- (d) A person may make application to take the written test on forms provided by the division.
- (e) The passing score for each part of the test is seventy-five (75).

(f) The office of the state building commissioner shall revise the state plan review portion of the test as necessary to be consistent with the Indiana building code, the Indiana fire prevention code, and other commission rules in effect. Any revised test shall be submitted to the commission for approval. (*Fire Prevention and Building Safety Commission; 675 IAC 12-7-4; filed Feb 1, 1988, 2:15 p.m.: 11 IR 1788; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2101; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-7-5 Local plan review; procedures; seals

Authority: IC 22-13-2-13

Affected: IC 22-15-3

Sec. 5. (a) A city, town or county certified to perform plan review of Class 1 structures shall adhere to the following procedures:

- (1) Plans and specifications shall be checked for compliance with 675 IAC 12-6, Design Releases.
- (2) A report of errors and omissions shall be prepared for each construction project covered by submitted plans and specifications.
- (3) The report of errors and omissions shall include a citation reference to the exact section of a rule of the commission for each error or omission noted by the plan reviewer.
- (4) Upon preparation, the report of errors and omissions shall be mailed directly to the office of the state building commissioner on the same working day. A copy may be furnished to the applicant for the design release.
- (5) The local qualified plan reviewer shall stamp each set of submitted plans and specifications with a seal provided by the office of the state building commissioner.
- (6) The plan reviewer will affix his or her signature over the seal to identify those sets to be subsequently submitted to the office of the state building commissioner in accordance with 675 IAC 12-6.
- (7) The stamped set of plans and specifications shall be returned to the applicant with an instruction to submit them, with a completed application for construction design release, to the office of the state building commissioner in accordance with 675 IAC 12-6.

(b) The seal provided by the office of the state building commissioner shall remain the property of the office of the state building commissioner.

(c) The certified city, town or county may obtain a supply of application for construction document release forms from the office of the state building commissioner for the convenience of plan review applicants. (*Fire Prevention and Building Safety Commission; 675 IAC 12-7-5; filed Feb 1, 1988, 2:15 p.m.: 11 IR 1788; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2101; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

Rule 8. Indiana Building Rehabilitation Standard

675 IAC 12-8-1 Definitions

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 1. The following definitions apply throughout this rule:

(1) "Building code" means the Indiana building code under 675 IAC 13-2.1 [675 IAC 13-2.1 was repealed filed Dec 1, 1992, 5:00 p.m.: 16 IR 1126, eff Jan 3, 1993. See 675 IAC 13-2.3].

(2) "Existing building" means a building or structure that has been issued a certificate of occupancy or has been legally occupied.

(3) "Historic building" means any structure that is important to the general, archaeological, agricultural, economic, social, political, architectural, industrial, or cultural history of the United States or Indiana.

(4) "Protected opening" means an opening in a fire-resistive area or occupancy separation wall meeting the requirements of the Indiana building code.

(5) "Rehabilitation" means returning or upgrading a building or structure to a state of utility through additions, alterations, or repairs.

(Fire Prevention and Building Safety Commission; 675 IAC 12-8-1; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1275, eff Mar 1, 1988; filed Oct 19, 1990, 2:38 p.m.: 14 IR 442; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2102; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-8-2 Purpose

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 2. This rule shall maintain or increase public safety, health, and general welfare in existing buildings by permitting rehabilitation, change of use, occupancy, or location without requiring full compliance to the criteria for new construction unless otherwise specified in this rule. This rule also provides a means to evaluate the adequacy of fire and life safety systems in an existing building. *(Fire Prevention and Building Safety Commission; 675 IAC 12-8-2; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1275, eff Mar 1, 1988; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1008; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 12-8-3 Application and scope

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 3. (a) This rule applies to existing buildings when specifically requested by the building owner or owner's agent at the time of an application for design release under 675 IAC 12-6. Upon receipt of such a request, the offices of the state building commissioner and the state fire marshal shall have the plans for rehabilitation reviewed against the requirements of this rule to determine whether or not the existing building with proposed work incorporated is in compliance. The office of the state building commissioner may require an on-site inspection by a department employee to assist in the determination. If compliance with this rule has been achieved, a design release for that rehabilitation shall be issued. Full compliance with all the rules of the commission shall be required for all construction work done in the rehabilitation. The minimum number of exits required by the building code shall be provided before this rule may be used.

(b) This rule may be applied to existing buildings that will continue to be, or are proposed to be, building types 1 through 11 of Table 3, as follows:

(1) If an existing building is to be changed in use, occupancy, or location, this rule regarding that new use, occupancy, or location shall apply.

(2) If a portion of an existing building is to be changed in use, occupancy, or location, this rule regarding that new use, occupancy, or location shall apply to the entire building.

(3) Additions to existing buildings shall comply with the rules for new construction. The combined height or area of any existing building with its additions shall not exceed the values prescribed in the building code.

(4) An existing building or portion thereof shall not be altered or repaired so as to make it less safe than it was before such alteration or repair.

(5) When there is a change of use, only those elements of the existing building proposed for alteration of, or addition to, must conform to the accessibility requirements for new construction. Exceptions shall be as follows:

(A) Type 9 buildings (see Table 3) less than four (4) stories on floors or levels where accessibility is not existing.

(B) Type 6 and Type 7 buildings less than four (4) stories on floors or levels, other than grade, where accessibility is not existing.

(C) Type 10 and Type 11 buildings on floors or levels, other than grade, where accessibility is not existing.

(6) Where a conflict between provisions of this rule occurs, those provisions that secure the greatest public safety shall apply.

INTENDED USE OF EXISTING BUILDINGS

TABLE 3

Building Types	Description
1	Theaters
2	Nightclubs, dance halls, and similar uses that serve over fifty (50) persons
3	Lecture halls, auditoriums, terminals, recreation centers, and restaurants other than nightclubs that serve over fifty (50) persons
4	Churches and other religious facilities, including "Sunday schools", but excluding
5	School buildings
6	Office buildings, other buildings where income is based upon service provided, and assembly areas for less than fifty (50) persons
7	Factories and industrial buildings other than those involving flammable, combustible, or explosive products or materials
8	Wholesale and retail stores, other than buildings where income is based upon goods provided
9	Hotels, motels, apartments, condominiums, barracks, dormitories, bed and breakfast establishments, and attached one (1) and two (2) family dwellings
10	Moderate hazard storage, automotive and aircraft storage and repair
11	Low hazard storage, including automotive and aircraft storage without repair

(7) For institutional occupancies, Appendix A of National Fire Protection Association Standard Number 101 1998 shall be recognized as an alternative means of evaluation for conversion to and for existing buildings of Group I occupancy.

(Fire Prevention and Building Safety Commission; 675 IAC 12-8-3; filed Dec 3, 1987, 2:22 p.m.: 11 IR 1275, eff Mar 1, 1988; filed Apr 26, 1988, 2:45 p.m.: 11 IR 3042; filed Oct 19, 1990, 2:38 p.m.: 14 IR 443; errata, 14 IR 761; errata filed Dec 12, 1990, 1:45 p.m.: 14 IR 1070; filed Jul 15, 1991, 5:30 p.m.: 14 IR 2236; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2102; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1008; errata filed Jan 31, 2001, 9:22 a.m.: 24 IR 1670; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-8-4 Implementation

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 4. (a) For any proposed work to be governed by this rule, the owner or owner's agent shall cause the existing building to be investigated and evaluated in accordance with this rule.

(b) The owner or owner's agent shall have a structural evaluation of the existing building made to determine the adequacy of all structural systems for the proposed alterations, addition, change of use, occupancy, or location. The results of this investigation and evaluation, along with any proposed compliance alternatives, shall be submitted to the office of the state building commissioner under the seal and signature of an architect or engineer licensed to practice in Indiana. Work shall not commence unless the existing building meets or can be made to sustain the design loads for new construction.

(c) The owner or owner's agent shall have an evaluation of the existing building made regarding the fire safety of the building. In conducting this evaluation, the worst case condition shall be used to establish values for tabulation. This investigation and evaluation shall be divided into the following three (3) categories as represented by the three (3) columns on the building score sheet in section 23 of this rule:

(1) Fire safety includes structural fire-resistance, detection, alarm, and extinguishing features of the building.

(2) Means of egress includes the configuration, characteristics, and support features for the means of egress.

(3) General safety includes the fire safety and means of egress parameters.

(Fire Prevention and Building Safety Commission; 675 IAC 12-8-4; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1276, eff Mar 1, 1988; filed Oct 19, 1990, 2:38 p.m.: 14 IR 444; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2103; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-8-5 Fire safety tabulation

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

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Sec. 5. A building score sheet conforming to section 23 of this rule shall be used for tabulation of existing building values for each building, or portion thereof, to be considered for rehabilitation, change of use, occupancy, or location. The completed building score (sheet) of the existing building, along with plans and specifications for any proposed compliance alternatives, shall be submitted to the office of the state building commissioner under the seal and signature of an architect or engineer licensed to practice in Indiana. Elements of the building shall be scored in accordance with this section and sections 6 through 22 of this rule. (Fire Prevention and Building Safety Commission; 675 IAC 12-8-5; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1277, eff Mar 1, 1988; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2103; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-8-6 Height and area

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 6. (a) Determine the height of the existing building in both feet and number of stories, including proposed additions, and compare that height with the maximum allowable height under the rules for new construction.

(b) Determine the floor area of the existing building, including proposed additions and compare the area with the maximum allowable floor area under the rules for new construction. When an area separation wall conforming to the requirements of the building code is provided between the existing building and any addition, that addition shall be considered a separate building.

(c) Using subsections (a) through (b), categorize the existing building, then use the following procedure to determine the value to be entered on the building score sheet under fire safety, means of egress, and general safety:

CATEGORY	VALUES*
a	If both height and area exceed the maximum allowable limits of the building code, multiply -2 by the construction type factor found in Table 11-B in section 11(b) of this rule
b	If either height or area, but not both, exceed the maximum allowable limits of the building code, multiply -1 by the construction type factor found in Table 11-B in section 11(b) of this rule
c	If both height and area conform to the requirements of the building code, the value is zero (0)

*Round the value off to the closest whole number. (Fire Prevention and Building Safety Commission; 675 IAC 12-8-6; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1277, eff Mar 1, 1988; filed Oct 19, 1990, 2:38 p.m.: 14 IR 444; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2104; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-8-7 Automatic fire extinguishing systems

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 7. (a) Determine the existence and extent, and evaluate the capacity of, sprinkler systems in the existing building, including proposed additions, alterations, and corrections to those systems. Use the categories in subsection (b) and Table 7 to obtain the fire extinguishing systems value, and enter that value on the building score sheet under fire safety, means of egress, and general safety.

(b) Fire extinguishing systems categories shall be as follows:

(1) Category a. Systems not provided when the building code would require them.

(2) Category b. None, when the building code would not require them and partial systems provided in accordance with the building code.

(3) Category c. Buildings protected with an automatic fire extinguishing system designed and installed according to the standards listed in the building code for new construction, for the use, type of construction, and occupancy proposed. Exception: Water supply requirements for the standpipes or hose stream need not be included in the calculations when a fire department connection is provided.

(4) Category d. Partial sprinkler systems not otherwise required by the building code may be given partial credit by the fire prevention and building safety commission.

FIRE EXTINGUISHING SYSTEMS VALUES

TABLE 7

Building Type (Renovation)	Categories		
	a	b	c
1	-15	0	21

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2	-20	0	17
3	-15	0	21
4	-10	0	30
5	-10	0	30
6	-10	0	36
7	-15	0	29
8	-15	0	28
9	-15	0	28
10	-15	0	35
11	-10	0	35

(Fire Prevention and Building Safety Commission; 675 IAC 12-8-7; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1277, eff Mar 1, 1988; filed Oct 19, 1990, 2:38 p.m.: 14 IR 444; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2104; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-8-8 Fire area

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 8. (a) Calculate the total net square footage of the largest area within the existing building that is separated from the remainder of the building by not less than two-hour fire-resistive construction, as specified in the building code. Use Table 8 and the categories listed in subsection (b) to determine the compartment area value for the existing building and enter that value on the building score sheet under fire safety, means of egress, and general safety.

(b) Fire area categories shall be as follows:

- (1) Greater than fifteen thousand (15,000) square feet.
- (2) Ten thousand one (10,001) to fifteen thousand (15,000) square feet.
- (3) Seven thousand five hundred one (7,501) to ten thousand (10,000) square feet.
- (4) Seven thousand five hundred (7,500) square feet or less.

FIRE AREA VALUES

TABLE 8

Building Type	Categories			
	a	b	c	d
1	-8	-2	2	3
2	-12	-6	-2	-1
3	-8	-2	2	3
4	-6	-1	4	5
5	-6	-1	4	5
6	-6	-1	4	5
7	-4	0	6	8
8	-4	0	6	8
9	-4	0	6	8
10	-4	0	6	8
11	-6	1	4	5

(Fire Prevention and Building Safety Commission; 675 IAC 12-8-8; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1278, eff Mar 1, 1988; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2104; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-8-9 Space division

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 9. Evaluate the subdivision of a fire area by walls and partitions exclusive of those described in 675 IAC 12-8-8 and 675

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IAC 12-8-10 using the categories listed below and Table 9 then enter that value on the building score sheet under fire safety, means of egress and general safety.

Space division categories:

- (a) No partitions, or partial partitions.
- (b) Fixed partitions to ceilings, with self-closing or automatic-closing doors.
- (c) Floor to deck partitions, without self-closing or automatic-closing doors.
- (d) Floor to deck partitions, with self-closing or automatic-closing doors.

SPACE DIVISION VALUES

TABLE 9

BUILDING TYPE	CATEGORIES TYPE			
	a	b	c	d
1	0	0	0	0
2	-6	-4	-1	0
3	0	1	4	6
4	0	1	4	6
5	0	1	4	6
6	0	1	4	6
7	0	1	4	6
8	0	1	4	6
9	0	1	4	6
10	0	1	4	6
11	1	4	6	8

(Fire Prevention and Building Safety Commission; 675 IAC 12-8-9; filed Dec 2, 1987, 2:22 pm: 11 IR 1278, eff Mar 1, 1988; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-8-10 Corridor walls/partitions

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 10. (a) Evaluate the corridor walls and partitions based upon their fire-resistance and completeness. Using the categories listed in subsection (b) and Table 10, obtain the corridor walls/partition value, then enter that value on the building score sheet under fire safety, means of egress, and general safety.

(b) Corridor wall/partition categories shall be as follows:

- (1) No partitions, incomplete partitions, no doors, or doors not self-closing.
- (2) Less than one-hour fire-resistive or not floor to deck.
- (3) One-hour to less than two-hour fire-resistive, in accordance with the building code (to include exceptions).
- (4) Walls or partitions with a fire-resistive rating of two (2) hours or more, with protected openings.

CORRIDOR PARTITION/WALL VALUES

TABLE 10

Building Type	Categories			
	a	b	c	d
1	-10	-4	0	2
2	-30	-12	0	2
3	-7	-3	0	2
4	-5	-2	0	5
5	-5	-2	0	5
6	-5	-2	0	5
7	-7	-3	0	2

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8 -7 -3 0 2
 9 -7 -3 0 2

(Fire Prevention and Building Safety Commission; 675 IAC 12-8-10; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1279, eff Mar 1, 1988; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2105; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-8-11 Vertical openings

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 11. (a) Use the formula in subsection (b), Table 11-A and Table 11-B to determine the vertical opening value, then enter it on the building score sheet under fire safety, means of egress, and general safety. Unenclosed vertical openings conforming to the building code shall not be considered in the evaluation of vertical openings.

(b) The vertical opening formula shall be as follows:

(1) *VO = PV × CF.

(2) VO = vertical opening value.

(3) PV = protection value from Table 11-A.

(4) CF = construction type factor from Table 11-B.

*Round the value off to the closest whole number.

VERTICAL OPENING PROTECTION VALUES
 TABLE 11-A

Protection	Value
None (unprotected opening)	-10
Less than one-hour	-5
One to less than two-hour*	1
Two-hour or more	2

CONSTRUCTION TYPE FACTOR
 TABLE 11-B

Type of Construction*

	I	II		III		IV	V		
F.R.	F.R.	One-Hour	N	One-Hour	N	H.T.	One-Hour	N	
FACTOR	1	1.2	2.2	3.5	2.5	3.5	2.3	3.3	7

*As defined in the building code.

(Fire Prevention and Building Safety Commission; 675 IAC 12-8-11; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1279, eff Mar 1, 1988; filed Oct 19, 1990, 2:38 p.m.: 14 IR 445; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2105; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-8-12 Heating, ventilating and air-conditioning (HVAC) systems

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 12. Determine the number of floors served by an individual HVAC system, then use the categories listed below and Table 12 to obtain the HVAC system value, then record that value on the building score sheet under fire safety, means of egress and general safety.

HVAC categories:

(a) Greater than five (5) floors, or combustibles in air plenums or corridors used as air plenums.

(b) Three (3) to five (5) floors.

(c) Two (2) floors.

(d) One (1) floor, or central boiler/chiller with no ductwork connecting two (2) or more floors.

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HVAC SYSTEM VALUES

TABLE 12

BUILDING TYPES	CATEGORIES			
	a	b	c	d
1	0	2	5	7
2	-10	-5	0	2
3	-5	0	2	5
4	0	2	5	7
5	0	2	5	7
6	0	2	5	7
7	-5	0	2	5
8	-5	0	2	5
9	-5	0	2	5
10	-5	0	2	5
11	0	2	5	7

(Fire Prevention and Building Safety Commission; 675 IAC 12-8-12; filed Dec 2, 1987, 2:22 pm: 11 IR 1280, eff Mar 1, 1988; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-8-13 Automatic alarms

Authority: IC 22-13-4-5

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 13. (a) Evaluate the ability of automatic fire alarms to detect smoke in all areas of the existing building. Using the categories listed in subsection (b) and Table 13, determine the alarm system values and enter that value on the building score sheet under fire safety, means of egress, and general safety.

(b) Automatic alarm categories shall be as follows:

- (1) None.
- (2) HVAC return only.
- (3) Elevator lobby only.
- (4) HVAC return, elevator lobby, and single station units in type 9 buildings.
- (5) All corridors, including elevator lobby.
- (6) Total space, including HVAC return, conforming to the requirements for new construction.

AUTOMATIC ALARM VALUES

TABLE 13

Building Type	Categories					
	a	b	c	d	e	f
1	-10	-5	0	2	4	6
2	-30	-10	-5	0	2	4
3	-10	-5	0	2	4	6
4	0	2	4	6	8	12
5	0	2	4	6	8	12
6	0	2	4	6	8	12
7	-10	-5	0	2	4	6
8	-10	-5	0	2	4	6
9	-10	-5	0	2	4	6
10	-10	-5	0	2	4	6
11	0	2	4	6	8	12

(Fire Prevention and Building Safety Commission; 675 IAC 12-8-13; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1280, eff Mar 1, 1988; filed Apr 26, 1988, 2:45 p.m.: 11 IR 3044; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2106; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-8-14 Communications

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 14. (a) Evaluate the capability of building alarm systems to communicate with all building occupants in an emergency using the categories in subsection (b) and Table 14, and record that communication value on the building score sheet under fire safety, means of egress, and general safety.

(b) Communication categories shall be as follows:

- (1) Category a. None.
- (2) Category b. Manual fire alarms conforming to the Indiana fire prevention code.
- (3) Category c. Fire alarms conforming to the Indiana fire prevention code, with a public address or voice communication system installed throughout the building.
- (4) Category d. Central control stations conforming to the building code.

COMMUNICATION VALUES
TABLE 14

Building Type	Categories			
	a	b	c	d
1	-10	-5	0	5
2	-10	-5	0	5
3	-10	-5	0	5
4	-10	-5	0	5
5	-10	-5	0	5
6	-5	0	5	10
7	0	5	10	15
8	-5	0	5	10
9	-5	0	5	10
10	0	5	10	15
11	0	5	10	15

(Fire Prevention and Building Safety Commission; 675 IAC 12-8-14; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1280, eff Mar 1, 1988; errata, 11 IR 1309; filed Oct 19, 1990, 2:38 p.m.: 14 IR 446; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2106; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-8-15 Smoke control

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 15. (a) Evaluate the ability to control the movement of smoke in the existing building by natural or mechanical means. Using the categories listed in subsection (b) and Table 15, determine the smoke control value and record that value under means of egress and general safety on the building score sheet.

(b) Smoke control categories shall be as follows:

- (1) None.
- (2) Windows operable without special keys or tools (total building).
- (3) One (1) smoke proof enclosure and building having operable windows.
- (4) One (1) stair having operable exterior windows and building having operable windows.
- (5) Smoke control systems in accordance with the building code.
- (6) Smoke proof enclosures in accordance with the building code.

SMOKE CONTROL VALUES*
TABLE 15

Building Type	Categories					
	a	b	c	d	e	f
1	-6	-5	-4	-3	0	0
2	-6	-5	-4	-3	0	0
3	-6	-5	-4	-3	0	0
4	-3	-3	-3	-2	0	2
5	-3	-3	-3	-2	0	2
6	0	2	3	3	3	4
7	0	2	2	3	3	3
8	0	2	3	3	3	4
9	0	2	3	3	3	4
10	0	2	2	3	3	3
11	0	2	2	3	3	3

*Any positive value shall be zero (0) if compliance with categories d, e, or f in Table 13 in section 13 of this rule has not been obtained. (Fire Prevention and Building Safety Commission; 675 IAC 12-8-15; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1281, eff Mar 1, 1988; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2107; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-8-16 Exit capacity

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 16. (a) Evaluate the means of egress of the existing building, then, using the categories in subsection (b) and Table 16, determine the exit capacity value and enter that value under means of egress and general safety on the building score sheet.

(b) Exit capacity categories shall be as follows:

- (1) Category a. Minimum number of exits in accordance with the building code are provided.
- (2) Category b. The total width of exits in accordance with the building code is exceeded.
- (3) Category c. Horizontal exits comply with the building code.
- (4) Category d. The width of exits meets the requirements of the building code and the number of exits exceeds the requirements of the building code.

EXIT CAPACITY VALUES
TABLE 16

Building Type	Categories			
	a	b	c	d
1	0	5	10	20
2	0	5	10	20
3	0	5	10	20
4	0	5	10	20
5	0	5	10	20
6	0	2	5	10
7	5	10	20	30
8	0	2	5	10
9	0	5	10	20
10	5	10	20	30
11	5	10	20	30

(Fire Prevention and Building Safety Commission; 675 IAC 12-8-16; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1281, eff Mar 1, 1988; filed Oct 19, 1990, 2:38 p.m.: 14 IR 446; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2107; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-8-17 Dead ends

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 17. Determine the length of any dead end corridors. Using the categories below and Table 17 obtain the dead end value and enter that value under means of egress and general safety on the building score sheet.

Dead end categories:

- (a) Dead end corridors of more than twenty feet (20'), but less than fifty feet (50').
- (b) Dead end corridors of twenty feet (20') or less.

DEAD END VALUES
TABLE 17

BUILDING TYPE	CATEGORIES	
	a	b
1	-5	0
2	-10	0
3	-5	0
4	-5	0
5	-5	0
6	0	5
7	0	5
8	0	5
9	-5	0
10	0	5
11	0	5

(Fire Prevention and Building Safety Commission; 675 IAC 12-8-17; filed Dec 2, 1987, 2:22 pm: 11 IR 1281, eff Mar 1, 1988; errata, 11 IR 1309; errata, 11 IR 1607; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-8-18 Maximum travel distance

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 18. (a) Determine the longest length of travel to an approved exit, then, using the categories listed in subsection (b) and Table 18, obtain the maximum travel distance value and enter that value under means of egress and general safety on the building score sheet.

(b) Travel distance categories shall be as follows:

- (1) Exceeds the limits set by the building code.
- (2) Complies with the limits set by the building code.
- (3) Is less than half the limits set by the building code.

TRAVEL DISTANCE VALUES
TABLE 18

Building Type	Categories		
	a	b	c
1	-10	0	5
2	-10	0	5
3	-10	0	5
4	-10	0	5
5	-10	0	5
6	-5	0	10
7	-5	0	10
8	-5	0	10
9	-10	0	5
10	-5	0	10
11	-5	0	10

(Fire Prevention and Building Safety Commission; 675 IAC 12-8-18; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1282, eff Mar 1, 1988;)

filed Jan 30, 1998, 4:00 p.m.: 21 IR 2108; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-8-19 Elevator control

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 19. Evaluate the elevator equipment and controls, then using the categories listed below and Table 19 determine the elevator control value and enter it on the building score sheet under fire safety, means of egress and general safety.

Elevator control categories:

- (a) None, or no elevator in buildings four (4) or more stories high.
- (b) Fire department control, or no elevator in buildings two (2) or three (3) stories high.
- (c) Automatic recall.
- (d) Fire department control and automatic recall, or buildings one (1) story high.

ELEVATOR CONTROL VALUES

TABLE 19

BUILDING TYPE	CATEGORIES			
	a	b	c	d
1	0	3	6	9
2	0	3	6	9
3	-7	0	3	6
4	-7	0	3	6
5	-7	0	3	6
6	-7	0	3	6
7	-7	0	3	6
8	-7	0	3	6
9	-7	0	3	6
10	-10	-7	0	3
11	-10	-7	0	3

(Fire Prevention and Building Safety Commission; 675 IAC 12-8-19; filed Dec 2, 1987, 2:22 pm: 11 IR 1282, eff Mar 1, 1988; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-8-20 Egress lighting

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 20. (a) Evaluate the existence and dependability of emergency lighting, then, using the categories listed in subsection (b) and Table 20, determine the egress lighting value and enter it under means of egress and general safety on the building score sheet.

(b) Egress lighting categories shall be as follows:

- (1) None.
- (2) Lighting in accordance with the building code, but without separate sources of power, if required.
- (3) Full compliance with the building code.

EGRESS LIGHTING VALUES
TABLE 20

Building Type	Categories		
	a	b	c
1	-20	-10	0
2	-20	-10	0
3	-20	-10	0
4	-20	-10	0
5	-20	-10	0
6	-10	0	2
7	-5	0	2
8	-10	0	2
9	-10	0	2
10	-5	0	2
11	0	2	7

(Fire Prevention and Building Safety Commission; 675 IAC 12-8-20; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1282, eff Mar 1, 1988; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2108; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-8-21 Mixed uses

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 21. (a) When an existing building is to be used by more than one (1) occupancy as defined in the building code, then the separation of occupancies shall be evaluated using the categories listed in subsection (b) and Table 21 and the mixed use value obtained entered under fire safety and general safety on the building score sheet.

(b) Mixed use categories shall be as follows:

- (1) Not in compliance with the building code.
- (2) In compliance with the building code.

MIXED USE VALUES
TABLE 21

Building Type	Categories	
	a	b
1	-10	0
2	-10	0
3	-5	0
4	-5	0
5	-5	0
6	-5	0
7	-5	0
8	-5	0
9	-10	0
10	-5	0
11	-5	0

(Fire Prevention and Building Safety Commission; 675 IAC 12-8-21; filed Dec 2, 1987, 2:22 p.m.: 11 IR 1283, eff Mar 1, 1988; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2108; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

FIRE PREVENTION AND BUILDING SAFETY COMMISSION

675 IAC 12-8-22 Building score

Authority: IC 22-13-4-5
 Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 22. Ensure that a value, either positive or negative has been entered under every safety parameter and appropriate column of the building score sheet, then add the total values under fire safety, means of egress and general safety and record the total for each at the bottom of each column. These three (3) totals are the building score, which should reflect the existing building condition and any compliance alternatives proposed. *(Fire Prevention and Building Safety Commission; 675 IAC 12-8-22; filed Dec 2, 1987, 2:22 pm: 11 IR 1283, eff Mar 1, 1988; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 12-8-23 Building score sheet

Authority: IC 22-13-4-5
 Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 23. Enter the data from 675 IAC 12-8-6 through 675 IAC 12-8-21 and total the building score.

SUMMARY SHEET-BUILDING SCORE

Existing use _____	Proposed Use _____
Year building was built _____	Number of stories _____ Height _____
Type of Construction _____	Area per floor _____
Separation: two sides _____ three sides _____	all sides _____
Completely sprinklered: Yes ___ No ___	Corridor wall rating _____
Compartmentation: Yes ___ No ___	Required door closers _____ Yes ___ No ___
Fire-resistance rating on vertical opening enclosures _____	
Type of HVAC System _____,	Serving number of floors _____
Automatic alarms: Yes ___ No ___,	Type and location _____
Communication systems: Yes ___ No ___,	Type _____
Smoke control: Yes ___ No ___,	Type _____
Adequate exit routes: Yes ___ No ___,	Dead ends: Yes ___ No ___
Maximum travel distance _____	Elevator controls: Yes ___ No ___
Emergency lighting: Yes ___ No ___	Mixed uses: Yes ___ No ___

Section	Safety Parameters	Fire Safety	Means of Egress	General Safety
6	Height and area			
7	Fire extinguishing systems			
8	Fire area			
9	Space division			
10	Corridor partitions/walls			
11	Vertical openings			
12	HVAC systems			
13	Automatic alarms			
14	Communications			
15	Smoke control	* * * *		
16	Exit capacity	* * * *		
17	Dead ends	* * * *		

FIRE PREVENTION AND BUILDING SAFETY COMMISSION

18	Maximum travel distance	* * * *		
19	Elevator control			
20	Egress lighting	* * * *		
21	Mixed uses		* * * *	
22	Building Score—total value			

(Fire Prevention and Building Safety Commission; 675 IAC 12-8-23; filed Dec 2, 1987, 2:22 pm: 11 IR 1283, eff Mar 1, 1988; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-8-24 Mandatory safety scores

Authority: IC 22-13-4-5

Affected: IC 22-11; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 24. (a) General. The values of Table 24 reflect the minimum scores of each building by existing building type for fire safety, means of egress and general safety. These mandatory safety scores reflect the minimum requirements for the existing building including any proposed compliance alternatives.

(b) Evaluation formulae. Using the building score totals from the building score sheet and the mandatory scores from Table 24 use the following formulae to determine compliance to this rule. A building must achieve a final score of not less than zero (0) in all three (3) categories to satisfy the requirements of this rule (675 IAC 12-8).

EVALUATION FORMULAE

Formula	Building Score Sheet*	-	Table 24	=	Pass/Fail
FS-MFS ≥ 0	_____ (FS)	-	_____ (MFS)	=	_____
ME-MME ≥ 0	_____ (ME)	-	_____ (MME)	=	_____
GS-MGS ≥ 0	_____ (GS)	-	_____ (MGS)	=	_____

FS = Fire Safety

MFS = Mandatory Fire Safety

ME = Means of Egress

MME = Mandatory Means of Egress

GS = General Safety

MGS = Mandatory General Safety

*From building score sheet total values

MANDATORY SAFETY SCORES

TABLE 24

BUILDING TYPE	CATEGORIES		
	FIRE SAFETY	MEANS OF EGRESS	GENERAL SAFETY
1	10	24	24
2	5	19	19
3	9	21	21
4	17	29	29
5	17	29	29
6	28	40	40
7	26	53	53
8	23	35	35
9	23	35	35
10	26	53	53
11	38	65	65

(Fire Prevention and Building Safety Commission; 675 IAC 12-8-24; filed Dec 2, 1987, 2:22 pm: 11 IR 1284, eff Mar 1, 1988; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

Rule 9. Office of the State Fire Marshal; Permits

675 IAC 12-9-1 Purpose

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14

Sec. 1. The purpose of this rule (675 IAC 12-9) is to establish administrative procedures for the application, issuance and renewal of permits by the office of the state fire marshal. (*Fire Prevention and Building Safety Commission; 675 IAC 12-9-1; filed Feb 1, 1988, 2:17 pm: 11 IR 1790; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-9-2 Definitions

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12-1; IC 22-14-3-2

Sec. 2. The definitions in this section apply only to this rule (675 IAC 12-9).

“Amusement” means the same as entertainment.

“Entertainment” means a performance or show designed to amuse or divert an assembly of persons.

“Place” means, in the context of a place of amusement or entertainment, either:

(1) a building primarily classified or capable of being classified as a Group A Occupancy under the Indiana Building Code (675 IAC 13); or

(2) a room classified or capable of being classified as a Group A Occupancy under the Indiana Building Code (675 IAC 13); or

(3) a structure classified or capable of being classified as a Group A-4 Occupancy under the Indiana Building Code (675 IAC 13); or

(4) a designated outdoor area upon which are installed or erected temporary or permanent regulated amusement devices as defined in 675 IAC 23-1-4.

“Regulated place of amusement or entertainment” means any of the following:

(1) A theater, opera house, movie theater, dance hall, night club with a stage or floor show, or another place that offers an amusement or entertainment to the public for consideration or promotional purposes.

(2) A place where a boxing exhibition is conducted under the supervision of the state boxing commission.

(3) A hall, gymnasium, or place of assembly where a school, college, university, social or fraternal organization, lodge, farmers organization, society, labor union, trade association, or church holds any type of amusement.

(4) A public or private place where a regulated amusement device is operated.

“Use” means, in the context of IC 22-14-3-2(b), a specified type of amusement or entertainment event intended by a permit applicant to be conducted at or in a regulated place of amusement or entertainment. (*Fire Prevention and Building Safety Commission; 675 IAC 12-9-2; filed Feb 1, 1988, 2:17 pm: 11 IR 1790; errata, 11 IR 2632; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-9-3 Amusement and entertainment permits

Authority: IC 22-12-6-6

Affected: IC 22-12-6-7; IC 22-14-3-2; IC 22-14-3-3

Sec. 3. (a) An applicant for an annual amusement and entertainment permit shall submit an application, with the applicable fee as set in IC 22-12-6-7, to the office of the state fire marshal on forms provided by that office. An application may be submitted as early as September 1 of the year preceding the calendar year for which a permit will cover. Each application shall provide the information required by IC 22-14-3-3 and the following:

(1) A listing of each use, giving the days and hours of operation of regularly scheduled events and the dates and inclusive times of special events planned to be conducted in the calendar year for which a permit is to cover.

(2) An attached floor plan or site plan showing the planned arrangement of other than fixed seating and the location of aisles, exit ways, barriers, steps, or other crowd movement or control facilities, equipment, signs, or personnel.

(3) The maximum occupancy intended for both seated and standing attendees.

(4) The name, address, and telephone number of the person to be contacted to arrange for inspections by the office of the state fire marshal.

(b) An applicant for a special event endorsement to an annual amusement and entertainment permit shall submit an application to the office of the state fire marshal on forms provided by that office. Each application shall provide the following information:

(1) The permit number and address of the regulated place of amusement or entertainment for which an endorsement is sought.

(2) The name, address, and telephone number of the applicant if different than the applicant for the annual permit.

(3) The additional use, dates, and times of a special event not covered in the annual permit.

(4) An additional floor or site plan for the special event if different than the plans submitted with the application for the annual permit.

(5) The maximum occupancy intended for both seated and standing attendees.

(c) A permit issued under IC 22-14-3-2 and this section expires on December 31 in the year it is issued. (*Fire Prevention and Building Safety Commission; 675 IAC 12-9-3; filed Feb 1, 1988, 2:17 p.m.: 11 IR 1790; filed Jul 15, 1991, 5:30 p.m.: 14 IR 2237; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-9-4 Regulated explosives magazine permits

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-14-4-5

Sec. 4. (a) An applicant for an annual regulated explosives magazine permit shall submit an application to the office of the state fire marshal on forms provided by that office. An application may be submitted at any time to cover a period of one (1) year from the issue date. Each application shall provide the information required by IC 22-14-4-5 and the following:

(1) The name, address and telephone number of the applicant.

(2) The name, address and telephone number of the person exercising control over the explosives magazines if not the applicant.

(3) Plans and specifications of the magazine construction, if necessary to perform the inspection required by IC 22-14-4-5(a)(2).

(b) The office of the state fire marshal shall determine that the type and number of explosives magazines to be covered by the permit are adequate to store the types and maximum quantities of explosives stated in the permit application. The determination shall be made in accordance with the Indiana fire prevention code under 675 IAC 22-2.

(c) The office of the state fire marshal shall make, or cause to be made, an inspection of explosives magazines for compliance with the Indiana fire prevention code under 675 IAC 22 prior to the issuance of the explosives magazine permit.

(d) Explosives magazines used in connection with analytical laboratories or laboratories operated by a college, university, school or educational entity for the purpose of instruction or research, are exempt from the permit requirements of this section. However, such laboratories must be approved by the office of the state fire marshal under the alternate criteria for explosive laboratory operations as established in the Indiana fire prevention code under 675 IAC 22. (*Fire Prevention and Building Safety Commission; 675 IAC 12-9-4; filed Feb 1, 1988, 2:17 p.m.: 11 IR 1791; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2109; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-9-5 Permits for supervised public display of fireworks

Authority: IC 22-11-14-2

Affected: IC 22-12; IC 22-13; IC 22-14

Sec. 5. (a) An applicant for a permit to conduct a supervised public display of fireworks shall submit an application to the office of the state fire marshal on forms provided by that office. Applications must be received by the office not less than fifteen (15) calendar days prior to the date of display. Pursuant to IC 22-11-14-2, the application shall be accompanied by a brief resume of the fireworks display operator(s) experience in the preparation of the display, igniting or discharging of fireworks, implementing emergency procedures, and disposal of unfired or defective fireworks. A fireworks display operator who has been convicted for a violation of IC 22-11-14 may not be designated as an operator in a permit application within one (1) year after the date of conviction.

(b) A permit issued by the office of the state fire marshal shall not become effective until the chief of the fire department of the municipality in which the display is to be held has:

(1) approved the operator of the display as qualified; and

(2) has inspected the proposed site of the display to determine that the display will not be hazardous to property or persons.

(c) A person may not possess, transport, or deliver fireworks for a supervised public display unless a permit for that display has been issued by the office of the state fire marshal under this section.

(d) A permit issued under this section is not transferable. (*Fire Prevention and Building Safety Commission; 675 IAC 12-9-5; filed Feb 1, 1988, 2:17 p.m.: 11 IR 1791; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2109; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-9-6 Fireworks stand retail sales permits

Authority: IC 22-11-14-7

Affected: IC 22-13; IC 22-14; IC 23-7-1.1

Sec. 6. An applicant for a fireworks stand retail sales permit shall submit an application to the office of the state fire marshal on forms provided by that office. Each application shall provide the information required by IC 22-11-14-7 and evidence of incorporation under IC 23-7-1.1 as a not-for-profit corporation, if an exemption from the permit fee is claimed. (*Fire Prevention and Building Safety Commission; 675 IAC 12-9-6; filed Feb 1, 1988, 2:17 pm: 11 IR 1791; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-9-7 Certificate of compliance; wholesale fireworks

Authority: IC 22-12-6-6

Affected: IC 22-11-14; IC 22-13-2-11

Sec. 7. (a) An applicant for a certificate of compliance, required by IC 22-11-14-5, for the sale of fireworks shall submit to the office of the state fire marshal the following:

(1) A complete description of each firework item proposed to be shipped into Indiana.

(2) A written certification that the fireworks are manufactured in accordance with IC 22-11-14-1.

(3) A statement that identifies the applicant as a manufacturer, wholesaler, importer, or distributor and provides the location to which the shipment of fireworks is to be received within Indiana.

(b) No certificate of compliance shall be issued until the office of the state fire marshal determines, after inspection, that there is compliance with IC 22-11-14. (*Fire Prevention and Building Safety Commission; 675 IAC 12-9-7; filed Feb 1, 1988, 2:17 p.m.: 11 IR 1791; filed Jul 15, 1991, 5:30 p.m.: 14 IR 2237; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-9-8 Permit fees

Authority: IC 22-12-6-6

Affected: IC 22-13-2-11

Sec. 8. Each application for a permit or certificate covered by this rule (675 IAC 12-9) shall be accompanied by a check for the amount of the fee established in the commission's fee schedule under 675 IAC 12-3. Checks shall be made payable to the Fire and Building Services Fund. (*Fire Prevention and Building Safety Commission; 675 IAC 12-9-8; filed Feb 1, 1988, 2:17 p.m.: 11 IR 1792; filed Jul 15, 1991, 5:30 p.m.: 14 IR 2238; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-9-9 Administrative adjudication

Authority: IC 22-13-2-13

Affected: IC 4-21.5-3; IC 22-12; IC 22-14

Sec. 9. Any order granting or denying a permit or certificate governed by this rule (675 IAC 12-9) shall be issued by the office of the state fire marshal following the requirements of IC 4-21.5-3-4. If a petition for review is subsequently granted under IC 4-21.5-3-7, the resulting administrative proceeding shall be conducted by the commission. (*Fire Prevention and Building Safety Commission; 675 IAC 12-9-9; filed Feb 1, 1988, 2:17 pm: 11 IR 1792; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

Rule 10. Building Regulations of State Agencies and Political Subdivisions

675 IAC 12-10-1 Purpose

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13-2-2; IC 22-15-2-6

Sec. 1. The purpose of this rule is to establish administrative procedures and to provide instruction for state agencies and political subdivisions, having power to create building rules, equipment rules, or fire safety rules, as defined in 675 IAC 12-4-2, so as to prevent conflict, duplication, or overlap with the statewide code of building and fire safety laws adopted by the commission pursuant to IC 22-13-2-2. (*Fire Prevention and Building Safety Commission; 675 IAC 12-10-1; filed Feb 1, 1988, 2:19 p.m.: 11 IR 1792; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2110; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-10-2 Definitions

Authority: IC 22-13-2-13

Affected: IC 4-22-2; IC 22-12; IC 22-13-2-3; IC 36-1-5-4; IC 36-7-2-9

Sec. 2. The following definitions apply throughout this rule:

(1) "Adopt by reference" means the same as incorporation by reference as the term is used in IC 22-13-2-3(b) and IC 36-1-5-4.

(2) "Conflict" means a difference between two (2) or more building, fire safety or equipment rules involving the same subject.

(3) "Local building code" means the body of ordinances or regulations enacted by a political subdivision that incorporate by reference building rules required to be enforced at the local level of government by IC 36-7-2-9.

(4) "More detailed", when applied to provisions in rules of state agencies or ordinances of political subdivisions, means explanatory material that is related to but does not change the text or intent of a rule of the commission.

(5) "More stringent", when applied to provisions in rules of state agencies or ordinances of political subdivisions, means requirements that demand a level of design criteria or performance as to construction methods or materials, or imposes restrictions on the use of construction methods or materials not addressed in any provisions in a rule of the commission.

(6) "Political subdivision" means a city, town, or county.

(7) "State agency" means an agency of Indiana having statutory power to regulate buildings, structures, and other property by adoption of rules under IC 4-22-2.

(8) "Statewide code" means all rules of the commission adopted as building rules and fire safety rules.

(*Fire Prevention and Building Safety Commission; 675 IAC 12-10-2; filed Feb 1, 1988, 2:19 p.m.: 11 IR 1792; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2110; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-10-3 Rules of state agencies

Authority: IC 22-13-2-2

Affected: IC 4-21.5-3-6; IC 4-21.5-3-7; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 3. (a) State agencies may incorporate by reference rules of the Commission for the purpose of avoiding conflict, duplication or overlap in rules made part of the Indiana Administrative Code. The Commission, on its own initiative, through the Division of Technical Services and Research, may review any proposed rule of a state agency as published in the Indiana Register for that purpose. The results of the Division's review if conflict, duplication or overlap is apparent, shall be furnished informally to the agency proponent of the rule and to the Office of the Attorney General prior to a scheduled public hearing on a proposed rule.

(b) If the Commission's review of a final rule of a state agency, as published in the Indiana Register, finds duplication, conflict, or overlapping of responsibility between:

(1) IC 22-12, IC 22-13, IC 22-14, IC 22-15; or

(2) a fire safety rule of the Commission; or

(3) a building rule of the Commission;

the Commission, at a regularly scheduled meeting, shall issue an order under IC 4-21.5-3-6 to that state agency to revise its rules as necessary to comply with IC 22-13-2-3 and IC 22-13-2-4. If a petition for review is subsequently granted under IC 4-21.5-3-7, that order shall be deemed to have been a preliminary determination. (*Fire Prevention and Building Safety Commission; 675 IAC 12-10-3; filed Feb 1, 1988, 2:19 pm: 11 IR 1793; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-10-4 Local building codes of political subdivisions

Authority: IC 22-13-2-13
Affected: IC 22-13-2-3; IC 36-7-2-9

Sec. 4. (a) Political subdivisions may incorporate by reference building rules of the commission in local building codes established by ordinance in accordance with IC 22-13-2-3.

(b) Building rules adopted by the commission in 675 IAC 13, 675 IAC 14, 675 IAC 16, 675 IAC 17, 675 IAC 18, 675 IAC 19, 675 IAC 20, and 675 IAC 22 are collectively a code of building laws required to be enforced at the local level of government under IC 36-7-2-9. (*Fire Prevention and Building Safety Commission; 675 IAC 12-10-4; filed Feb 1, 1988, 2:19 p.m.: 11 IR 1793; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2110; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-10-5 Local revisions to adopted building or equipment rules

Authority: IC 22-13-2-2
Affected: IC 22-13-2-3

Sec. 5. A political subdivision may desire to include, in its local building code, provisions that go into more detail or contain more stringent requirements than the statewide code. This option is conditioned, however, in that more stringent requirements may not conflict with the statewide code. The manner of establishing more detailed or more stringent requirements shall be by amendment of specific provisions in the rules of the Commission as incorporated by reference in the same ordinance. Each amendment must refer to a corresponding section or sections of a rule of the Commission, and to section references in incorporated codes or standards as applicable. In such case, the adopted building rule, code or standard shall be identified in a particular edition and shall include a citation reference to a specific edition or supplement to the Indiana Administrative Code. (*Fire Prevention and Building Safety Commission; 675 IAC 12-10-5; filed Feb 1, 1988, 2:19 pm: 11 IR 1793; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-10-6 Required administrative provisions in local building code ordinances

Authority: IC 22-13-2-2; IC 22-13-2-13
Affected: IC 4-21.5-3-7; IC 22-12; IC 22-13; IC 22-15; IC 36-7-2-9

Sec. 6. To carry out the requirements of IC 36-7-2-9, certain administrative provisions must be included in local building codes to obtain approval by the Commission under IC 22-13-2-5. These provisions include:

- (1) An official or an agency of the political subdivision must be designated as being responsible to enforce the adopted code of building laws and orders issued under IC 22-13-2-11 and IC 22-12-7.
- (2) It must provide that no building permit will be issued to a person that would cause a violation of IC 22-15-3-7.
- (3) It must specifically refer to the administrative review of locally issued orders or variances provided for by IC 22-13-2-7.
- (4) It must state that the local building code does not apply to an industrialized building system or mobile structure that is certified under IC 22-15-4.
- (5) It must provide an effective date for the ordinance not earlier than the date upon which the Commission grants its approval.

(*Fire Prevention and Building Safety Commission; 675 IAC 12-10-6; filed Feb 1, 1988, 2:19 pm: 11 IR 1793; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-10-7 Other local building regulations

Authority: IC 22-13-2-2
Affected: IC 22-12-1; IC 22-13-2-5; IC 36-7

Sec. 7. (a) Political subdivisions may establish minimum housing standards or other building regulations by ordinance under IC 36-7-2 or IC 36-7-8. Where such standards or regulations affect construction, repair, or maintenance of Class 1 or Class 2 structures, the establishing ordinances are building laws as defined in IC 22-12-1-3 and are building rules as defined in 675 IAC 12-4-2. Such ordinances are subject to approval by the Commission under IC 22-13-2-5 before they can become effective.

(b) For the purpose of this rule (675 IAC 12-10) minimum housing standards that prescribe minimum conditions for human habitation in existing dwellings that are less stringent than comparable standards for new construction, are not in conflict with the rules of the Commission.

(c) For the purposes of this rule (675 IAC 12-10) standards contained in land use regulations, such as zoning or subdivision regulations, that are more restrictive with respect to building height, area, or distance from property lines than comparable standards for new construction, are not in conflict with the rules of the Commission. (*Fire Prevention and Building Safety Commission; 675 IAC 12-10-7; filed Feb 1, 1988, 2:19 pm: 11 IR 1794; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-10-8 Ordinance approval procedure

Authority: IC 22-13-2-13

Affected: IC 4-21.5-3-4; IC 4-21.5-3-7; IC 22-13-4-5

Sec. 8. The commission's program for review of adopted ordinances of cities, towns, or counties submitted for approval by the commission under IC 22-13-4-5, will be conducted at the staff level by the Division of Technical Services and Research (division) as follows:

(1) A request may be made to the division for preliminary staff review at any time. The results of the staff review will be furnished to the requester within a reasonable time.

(2) A submission by a political subdivision for approval of an ordinance by the commission, shall include two (2) copies of an adopted ordinance, and must be filed with the commission. The staff will place the submission on the agenda for the first commission meeting scheduled later than five (5) working days subsequent to the receipt of the submission.

(3) The commission's order approving the ordinance shall be issued following the requirements of IC 4-21.5-3-4. If a petition for review is subsequently granted under IC 4-21.5-3-7, that order shall be deemed merely to have been a preliminary determination.

(4) One (1) copy of each approved ordinance, endorsed by the chairman of the commission, shall be returned to the submitter with the order approving the ordinance.

(*Fire Prevention and Building Safety Commission; 675 IAC 12-10-8; filed Feb 1, 1988, 2:19 p.m.: 11 IR 1794; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2110; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-10-9 Local inspection programs

Authority: IC 22-13-2-13

Affected: IC 22-12-6-6; IC 22-15-2-6; IC 36-1-7-2; IC 36-7-8-7

Sec. 9. (a) A political subdivision that has enacted and put into effect a local building code in accordance with this rule, or has arranged for inspection services to be performed by another political subdivision under IC 36-7-8-7 or IC 36-1-7-2, shall be deemed to have established a program to periodically inspect construction provided a written statement from the chief executive officer of the political subdivision furnishing inspection services is filed with the office of the state building commissioner containing the following:

(1) The name and address of the person or office to which design releases and other notices or orders of the office of the state building commissioner should be sent.

(2) The names of all inspectors appointed to enforce the local building code and the assigned scope of each inspector's responsibility for the adopted building rules of the commission.

(3) If applicable, the name of other political subdivisions for which inspection services are being provided.

(b) Any changes in the factual content of the written statement required in subsection (a), shall be submitted to the office of the state building commissioner within thirty (30) days of the date of change.

(c) If the office of the state building commissioner determines that the requirements of this section are no longer being met by a political subdivision, the commissioner shall give written notice of the determination to the chief executive officer of that political subdivision. The construction inspection fee established in 675 IAC 12-3-6 shall become payable for design releases issued after the date of such notice. (*Fire Prevention and Building Safety Commission; 675 IAC 12-10-9; filed Feb 1, 1988, 2:18 p.m.: 11 IR 1795, eff Apr 1, 1988; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2111; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

Rule 11. Statewide Fire and Building Safety Education Fund

675 IAC 12-11-1 Definitions

Authority: IC 22-12-6-3

Affected: IC 22-12-5-1; IC 22-12-5-6; IC 22-12-6-3; IC 22-12-6-6

Sec. 1. (a) As used in this rule, "approved building department" means the building regulatory agency of a political subdivision that meets the local inspection program requirements of 675 IAC 12-10-9.

(b) As used in this rule, "building official" means the local government official who administers a local building department education plan.

(c) As used in this rule, "department" means the fire and building services department established by IC 22-12-5-1.

(d) As used in this rule, "division" means the division of education and information established by IC 22-12-5-1(5).

(e) As used in this rule, "fire official" means the local government official who administers a fire prevention program.

(f) As used in this rule, "fund" means the statewide fire and building safety education fund established by IC 22-12-6-3.

(g) As used in this rule, "inspector" means a person employed by a local government to perform inspections to obtain compliance with the rules of the commission.

(h) As used in this rule, "provider" means a person or organization that provides a course or program within the scope of the division's educational and training programs as authorized under IC 22-12-5-6. *(Fire Prevention and Building Safety Commission; 675 IAC 12-11-1; filed Feb 1, 1990, 5:00 p.m.: 13 IR 1048, eff Mar 1, 1990 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-115 was filed Feb 1, 1990.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 12-11-2 Purpose

Authority: IC 22-12-6-3

Affected: IC 22-12-5-6; IC 22-12-6-6

Sec. 2. (a) The fund is established to pay all or part of the enrollment fees charged for educational training courses, seminars, or other programs of the department on behalf of local government inspectors whose applications for financial assistance are approved.

(b) Enrollment fees may include the following:

(1) Tuition or course fees.

(2) Registration fees.

(3) Lab fees.

(4) Cost of individual course materials, such as books or equipment.

(5) A pro rata share of instructor honoraria, if applicable.

(c) Enrollment fees may not include the following:

(1) Inspector travel expenses.

(2) Lodging costs.

(3) Cost of meals.

(4) Parking fees.

(Fire Prevention and Building Safety Commission; 675 IAC 12-11-2; filed Feb 1, 1990, 5:00 p.m.: 13 IR 1049, eff Mar 1, 1990 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-115 was filed Feb 1, 1990.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2111; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-11-3 Eligibility for assistance

Authority: IC 22-12-6-3

Affected: IC 22-12-5-6; IC 22-12-6-6

Sec. 3. (a) The eligibility requirements to qualify for payment of enrollment fees from the fund are as follows:

(1) The applicant is a full- or part-time inspector in an approved building department or is a full- or part-time paid or volunteer fire inspector in an established fire department of a political subdivision.

(2) The applicant has obtained approval from a building or fire official, as appropriate, including a statement that completion of a specified course or program of the department is an element of a local building or fire department education plan on file

with the division.

(b) Meeting the eligibility requirements of itself does not assure that an application for assistance will be approved. The fund may not be adequate to finance all applications for specific programs within an annual budget. *(Fire Prevention and Building Safety Commission; 675 IAC 12-11-3; filed Feb 1, 1990, 5:00 p.m.: 13 IR 1049, eff Mar 1, 1990 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-115 was filed Feb 1, 1990.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 12-11-4 Application for financial assistance

Authority: IC 22-12-6-3

Affected: IC 4-21.5-3-4; IC 4-21.5-3-7; IC 22-12-5-6; IC 22-12-6-6

Sec. 4. (a) Applications for payment of enrollment fees may be made by eligible inspectors on forms provided by the division.

(b) Applications must be received by the division on or before the submission date printed on the application form.

(c) The division director shall evaluate all applications for completeness, timeliness, and conformance with published instructions. Each application shall be further evaluated by the division director with consideration of the local building or fire department education plan. The director may rank the applications in order of perceived need, merit, benefit to the local community, amount of previous assistance, or other factors deemed to produce a distribution of available funds for the greatest good. The director may seek impartial assistance in the evaluation process from other departmental employees.

(d) The division director shall maintain a list of applicants selected for payment of enrollment fees, the amount of each payment, and the name of the provider to whom payment is to be made.

(e) The order granting or denying an application for financial assistance shall be issued by the director of the division following the requirements of IC 4-21.5-3-4. If a petition for review is subsequently granted under IC 4-21.5-3-7, the resulting administrative proceeding shall be conducted by the commission. *(Fire Prevention and Building Safety Commission; 675 IAC 12-11-4; filed Feb 1, 1990, 5:00 p.m.: 13 IR 1049, eff Mar 1, 1990 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-115 was filed Feb 1, 1990.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 12-11-5 Revocation of financial assistance

Authority: IC 22-12-6-3

Affected: IC 4-21.5-3-6; IC 4-21.5-3-7; IC 22-12-5-6; IC 22-12-6-6

Sec. 5. (a) The division director may withhold all or part of any payment from the fund on behalf of any inspector who fails to meet the attendance standards of the provider for a particular course or program.

(b) The order revoking an authorization for payment shall be issued under the requirements of IC 4-21.5-3-6. If the petition for review is subsequently granted under IC 4-21.5-3-7, the resulting administrative proceeding shall be conducted by the commission. *(Fire Prevention and Building Safety Commission; 675 IAC 12-11-5; filed Feb 1, 1990, 5:00 p.m.: 13 IR 1050, eff Mar 1, 1990 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-115 was filed Feb 1, 1990.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 12-11-6 Local building or fire department education plan

Authority: IC 22-12-6-3

Affected: IC 22-12-5-6; IC 22-12-6-6

Sec. 6. (a) Each approved building department or fire department that desires to enroll inspectors with financial assistance from the fund must have on file with the division director an education plan. The plan should identify all eligible inspectors and their duties, record of prior training, educational background, and other information that the building or fire official deems appropriate.

(b) The division director may provide assistance to local officials in preparation of local education plans. *(Fire Prevention and Building Safety Commission; 675 IAC 12-11-6; filed Feb 1, 1990, 5:00 p.m.: 13 IR 1050, eff Mar 1, 1990 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-115 was filed Feb 1, 1990.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 12-11-7 Budget

Authority: IC 22-12-6-3

Affected: IC 22-12-5-6; IC 22-12-6-6

Sec. 7. (a) The division director shall prepare a proposed annual budget for each fiscal year. The proposed budget document shall include a recommended curricula of courses and estimated costs to be financed from the fund.

(b) The proposed budget document is subject to final approval by the executive director of the department and the state budget agency. *(Fire Prevention and Building Safety Commission; 675 IAC 12-11-7; filed Feb 1, 1990, 5:00 p.m.: 13 IR 1050, eff Mar 1, 1990 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-115 was filed Feb 1, 1990.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 12-11-8 Reports

Authority: IC 22-12-6-3

Affected: IC 22-12-5-6; IC 22-12-6-6

Sec. 8. (a) The division director shall prepare an annual report at the end of each fiscal year covering the following:

- (1) Curricula.
- (2) Enrollment statistics.
- (3) Summary of student evaluations.
- (4) Programmed and actual expenditures.
- (5) Recommendations for program changes.

(b) The executive director of the department shall submit the annual report to the fire prevention and building safety commission with recommendations for changes in administrative rules or level of funding under 675 IAC 12-3-7. *(Fire Prevention and Building Safety Commission; 675 IAC 12-11-8; filed Feb 1, 1990, 5:00 p.m.: 13 IR 1050, eff Mar 1, 1990 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-115 was filed Feb 1, 1990.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 12-11-9 Records

Authority: IC 22-12-6-3

Affected: IC 22-12-5-6; IC 22-12-6-6

Sec. 9. (a) The division director shall maintain a record of all receipts and expenditures of the fund.

(b) The division director shall maintain performance and attendance records of inspectors enrolled in departmental programs that may be used in any voluntary accreditation program of the division or a provider.

(c) The division director shall send an attendance or performance report to the building or fire official of each political subdivision that has enrolled inspectors under the program. *(Fire Prevention and Building Safety Commission; 675 IAC 12-11-9; filed Feb 1, 1990, 5:00 p.m.: 13 IR 1050, eff Mar 1, 1990 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-115 was filed Feb 1, 1990.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

Rule 12. Underground Storage Tank Certification Program

675 IAC 12-12-1 Authority; definitions

Authority: IC 13-23-3-1; IC 13-23-3-2; IC 13-23-3-3; IC 13-23-3-4

Affected: IC 13-11-2-241; IC 13-23-3

Sec. 1. (a) This section is adopted in accordance with IC 13-23-3-1 through IC 13-23-3-4.

(b) The following definitions apply throughout this rule:

- (1) "Examination" means a written set of questions approved by the office of the state fire marshal.
- (2) "Decommissioning" means the removal or closure of an underground storage tank.
- (3) "Owner" has the same meaning as set forth in 675 IAC 22.
- (4) "Performance bond" means a document that establishes a guaranty obligation in a stated dollar amount to pay the costs

of the installation, retrofitting, testing, cathodic protection, or decommissioning of one (1) or more underground storage tanks.

(5) "Person" has the same meaning as set forth in 675 IAC 22.

(6) "Underground storage tank" has the same meaning as set forth in IC 13-11-2-241.

(Fire Prevention and Building Safety Commission; 675 IAC 12-12-1; filed Sep 13, 1990, 4:00 p.m.: 14 IR 286; filed Jan 24, 1992, 11:45 a.m.: 15 IR 1006; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2111; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-12-2 Purpose

Authority: IC 13-23-3-1; IC 13-23-3-2; IC 13-23-3-3; IC 13-23-3-4

Affected: IC 13-23-3

Sec. 2. The purpose of this rule is to establish procedures for the office of the state fire marshal to administer a certification program for persons who supervise, manage, or direct underground storage tank:

(1) installation or retrofitting;

(2) testing;

(3) cathodic protection procedures; or

(4) decommissioning.

(Fire Prevention and Building Safety Commission; 675 IAC 12-12-2; filed Sep 13, 1990, 4:00 p.m.: 14 IR 286; filed Jan 24, 1992, 11:45 a.m.: 15 IR 1007; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2111; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-12-3 Application for certification

Authority: IC 13-23-3-1; IC 13-23-3-2; IC 13-23-3-3; IC 13-23-3-4

Affected: IC 13-23-3

Sec. 3. (a) A person who supervises, manages, or directs the installation, retrofitting, testing, cathodic protection, or decommissioning of underground storage tanks shall submit evidence to the office of the state fire marshal that the person has successfully completed applicable examinations administered by:

(1) the International Fire Code Institute; or

(2) another independent testing agency whose examinations have been approved by the office of the state fire marshal as being substantially similar.

(b) Renewal procedures pertaining to the certification examinations shall be as set forth in IC 13-23-3-4(a). A certificate expires two (2) years from the date a person successfully completes the examination referenced in subsection (a).

(c) Passing scores and retest requirements for the certification examinations shall be as set forth in section 3.1 of this rule.

(d) Examination subjects are those as set forth in section 2 of this rule. *(Fire Prevention and Building Safety Commission; 675 IAC 12-12-3; filed Sep 13, 1990, 4:00 p.m.: 14 IR 286; filed Jan 24, 1992, 11:45 a.m.: 15 IR 1007; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2112; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1009; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 12-12-3.1 Certification examination

Authority: IC 13-23-3-1; IC 13-23-3-2; IC 13-23-3-3; IC 13-23-3-4

Affected: IC 13-23-3

Sec. 3.1. (a) The passing score for each module shall be seventy percent (70%).

(b) There shall be no limit on the number of times a person may be examined on any module, nor any waiting period required before reapplying for examinations for any module. *(Fire Prevention and Building Safety Commission; 675 IAC 12-12-3.1; filed Jan 24, 1992, 11:45 a.m.: 15 IR 1007; filed Apr 22, 1996, 3:00 p.m.: 19 IR 2287; errata filed Feb 2, 1998, 8:30 a.m.: 21 IR 2129; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 12-12-4 Issuance of certificate

Authority: IC 13-23-3-1; IC 13-23-3-2; IC 13-23-3-3; IC 13-23-3-4

Affected: IC 13-23-3

Sec. 4. (a) Unless grounds exist to deny a certificate under IC 13-23-3-3(b), the office of the state fire marshal shall issue a

certificate to a person who:

- (1) passes one (1) or more of the certification examination subjects under section 2 of this rule; and
- (2) pays a certificate issuance fee of twenty-five dollars (\$25) payable to the fire and building services fund.

(b) A person who had a certificate revoked under IC 13-23-3-3(b) may obtain a certificate from the office of the state fire marshal only if the person files a performance bond in an amount prescribed in section 6 of this rule.

(c) A certificate shall identify which certification examination subjects were passed, and is valid only for work within the scope of those subjects.

(d) A certificate issued under subsection (a) expires two (2) years from the date the person successfully completes the examination to qualify to obtain a certificate.

(e) Upon payment of the required fee, as specified in subsection (a), any person who is certified or licensed to supervise, manage, or direct underground storage tank installation, retrofitting, testing, cathodic protection, or decommissioning in another state shall, without examination, be granted a certificate, provided the following:

- (1) The person submits an application for reciprocity.
- (2) No such person shall be granted a certificate in a category the person is not certified for in another state.
- (3) The requirements for licensing in such other state are substantially similar to the requirements in force in Indiana.

(f) The division of education and information shall submit to the office of the state fire marshal documented evidence that the certification or licensing is substantially similar to Indiana's underground storage tank certification examination. The office of the state fire marshal shall grant or deny the certification. Application forms for reciprocity shall be provided by the office of the state fire marshal. (*Fire Prevention and Building Safety Commission; 675 IAC 12-12-4; filed Sep 13, 1990, 4:00 p.m.: 14 IR 286; filed Jan 24, 1992, 11:45 a.m.: 15 IR 1008; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2112; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-12-5 Orders; sanctions; appeals

Authority: IC 13-23-3-1; IC 13-23-3-2; IC 13-23-3-3; IC 13-23-3-4

Affected: IC 4-21.5-3-7; IC 22-12-7

Sec. 5. (a) The office of the state fire marshal may issue orders under IC 22-12-7-4 to require a person to cease and correct any violation of the laws and rules pertaining to the installation, retrofitting, testing, cathodic protection, or decommissioning of underground storage tanks.

(b) The office of the state fire marshal may impose sanctions, with respect to certificates issued under section 4 of this rule, as described in IC 22-12-7-7 and IC 13-23-3-3.

(c) A person who is aggrieved by an order of the office of the state fire marshal may request an informal hearing under IC 22-12-7-12 or may appeal by filing a petition for review of the order under IC 4-21.5-3-7. (*Fire Prevention and Building Safety Commission; 675 IAC 12-12-5; filed Sep 13, 1990, 4:00 p.m.: 14 IR 287; filed Jan 24, 1992, 11:45 a.m.: 15 IR 1008; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2113; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-12-6 Performance bond

Authority: IC 13-23-3-1; IC 13-23-3-2; IC 13-23-3-3; IC 13-23-3-4

Affected: IC 13-23-3-3

Sec. 6. If a person files a performance bond with an application for a certificate under IC 13-23-3-3(c), the amount of the bond shall be equal to the dollar value of a single contract awarded to the person for the installation, retrofitting, testing, cathodic protection, or decommissioning of one (1) or more underground storage tanks at a particular location. The office of the state fire marshal shall act only as a custodian and shall not be obligee of the bond. (*Fire Prevention and Building Safety Commission; 675 IAC 12-12-6; filed Sep 13, 1990, 4:00 p.m.: 14 IR 287; filed Jan 24, 1992, 11:45 a.m.: 15 IR 1009; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2113; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-12-7 Display of certificate

Authority: IC 13-23-3-1; IC 13-23-3-2; IC 13-23-3-3; IC 13-23-3-4

Affected: IC 13-23-3

Sec. 7. The person who supervises, manages, or directs the installation, retrofitting, testing, cathodic protection, or

decommissioning of an underground storage tank shall display or produce a valid certificate or copy thereof, which was issued by the office of the state fire marshal under this rule. (*Fire Prevention and Building Safety Commission; 675 IAC 12-12-7; filed Sep 13, 1990, 4:00 p.m.: 14 IR 287; filed Jan 24, 1992, 11:45 a.m.: 15 IR 1009; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2114; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

Rule 13. Conversion of Existing Buildings

675 IAC 12-13-1 Purpose

Authority: IC 22-13-4-5

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 1. This rule provides for the economically efficient reuse of buildings and other structures. This rule also provides a means to evaluate the adequacy of fire and life safety systems in an existing building for a new use group or a division within a use group. Use groups are classified under 675 IAC 13. (*Fire Prevention and Building Safety Commission; 675 IAC 12-13-1; filed Jul 23, 1992, 1:00 p.m.: 15 IR 2586, eff Jun 1, 1992 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #92-11 was filed Jul 23, 1992.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-13-2 Application

Authority: IC 22-13-4-5

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 2. (a) This rule applies to existing buildings, when specifically requested by the building owner or his or her agent, at the time of an application for a design release under 675 IAC 12-6. Upon receipt of such request, the offices of the state building commissioner and the state fire marshal shall have the plans, if any, and an inspection report for conversion reviewed for conformance with the requirements of this rule. If conformance is achieved, a design release for the conversion shall be issued. Full compliance with all applicable rules of the commission shall be required for all construction work done to accomplish the conversion.

(b) An application and supporting documents for a design release under this rule must demonstrate all of the following:

- (1) The total building floor area, excluding basements, does not exceed three thousand (3,000) square feet.
- (2) The building does not exceed three (3) stories in height, excluding basements.
- (3) Basements and third floor areas shall not be used by the public.
- (4) The building occupant load shall not exceed the number permitted for new construction in the planned use group classification.
- (5) The minimum width of stairways to be used by the public shall be thirty-six (36) inches.
- (6) The restrictions in this rule are acceptable and shall be conditions of a design release or other order of the office of the state building commissioner.
- (7) The new use group must meet the same requirements for exit width, arrangement of exits, illumination of exits, exit signs, and smoke detection as required for new construction.
- (8) Buildings converted to use Group R-1 shall be in full compliance with the plumbing, mechanical, and electrical provisions of the commission's rules for the new use or occupancy.

(*Fire Prevention and Building Safety Commission; 675 IAC 12-13-2; filed Jul 23, 1992, 1:00 p.m.: 15 IR 2586, eff Jun 1, 1992 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #92-11 was filed Jul 23, 1992.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2114; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-13-3 Permitted conversions

Authority: IC 22-13-4-5

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 3. (a) A detached single family dwelling may be converted to use group B, F-1, M, S-1, or S-2 as:

- (1) office use with no floor loads in excess of thirty (30) pounds per square foot;
- (2) retail sales use with storage areas limited to floor loads not in excess of thirty (30) pounds per square foot; or
- (3) other storage uses with no floor loads in excess of thirty (30) pounds per square foot.

(b) A detached single family dwelling may be converted to use group A-3 having an occupant load of one hundred (100) or less, limited to the first floor level and having two (2) exits to a public way. Floor loads shall not exceed thirty (30) pounds per square foot.

(c) A group B, F-1, M, S-1, or S-2 building may be converted to:

(1) use group S-3; or

(2) use group A-3 having an occupancy load of one hundred (100) or less and having two (2) exits to a public way.

(d) A detached one (1) or two (2) family dwelling may be converted to a use group R-1 apartment building or use group R-3 lodging house.

(e) A detached single family dwelling may be converted to a mixed use group M/R or B/R. (*Fire Prevention and Building Safety Commission; 675 IAC 12-13-3; filed Jul 23, 1992, 1:00 p.m.: 15 IR 2587, eff Jun 1, 1992 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #92-11 was filed Jul 23, 1992.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2114; filed Nov 20, 2000, 3:25 p.m.: 24 IR 1009; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-13-4 Inspection

Authority: IC 22-13-4-5

Affected: IC 22-14; IC 22-15

Sec. 4. (a) Prior to issuance of a design release for conversion of a building under this rule, the state building commissioner shall cause the building to be inspected with regard to the existing condition and proposed construction or alterations work. The same inspection fee established in 675 IAC 12-3-11 for inspections under 675 IAC 12-8-3(a) is established for inspections under this rule. The inspection fee shall be paid to the fire and building services fund prior to any inspection.

(b) Inspection of work in progress shall be performed by local units of government that require conformance with the building rules of the commission. The office of the state building commissioner may also perform inspections for the same purpose. (*Fire Prevention and Building Safety Commission; 675 IAC 12-13-4; filed Jul 23, 1992, 1:00 p.m.: 15 IR 2587, eff Jun 1, 1992 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #92-11 was filed Jul 23, 1992.]; filed Jan 30, 1998, 4:00 p.m.: 21 IR 2114; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

Rule 14. Firefighting and Emergency Equipment Revolving Loan Fund

675 IAC 12-14-1 Definitions

Authority: IC 22-13-2-2; IC 22-14-5

Affected: IC 22-12-1-18.7; IC 22-12-1-23.3; IC 36-8-12-2

Sec. 1. (a) The definitions in this section apply throughout this rule.

(b) "Office" means the office of the state fire marshal.

(c) "Personal protective equipment" means any of the following:

(1) Protective:

- (A) coats;
- (B) trousers;
- (C) coveralls;
- (D) footwear;
- (E) gloves; and
- (F) hoods.

(2) Proximity protective:

- (A) coats;
- (B) trousers;
- (C) coveralls;
- (D) footwear;
- (E) gloves; and
- (F) hoods.

(3) Emergency medical:

- (A) garments;
- (B) face protection devices; and
- (C) gloves.

(4) Helmets.

(5) Self-contained breathing apparatus.

(6) Vapor protective suits.

(7) Liquid splash-protective suits.

(8) Chemical-protective clothing.

(d) "Qualified entity" means the term as defined in IC 22-12-1-18.7.

(e) "Revolving fund" means the firefighting and emergency equipment revolving loan fund established by IC 22-14-5. (*Fire Prevention and Building Safety Commission; 675 IAC 12-14-1; filed May 29, 1997, 2:40 p.m.: 21 IR 395; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-14-2 Use of loan proceeds

Authority: IC 22-13-2-2; IC 22-14-5

Affected: IC 22-12-1-18.7; IC 22-12-1-23.3; IC 22-14-5-9; IC 36-8-12-2

Sec. 2. Other allowable incidental expenses under IC 22-14-5-9(1) may include the cost of accounting or other professional services incurred by the qualified entity in obtaining a loan from the revolving fund. (*Fire Prevention and Building Safety Commission; 675 IAC 12-14-2; filed May 29, 1997, 2:40 p.m.: 21 IR 396; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-14-3 Application process

Authority: IC 22-13-2-2; IC 22-14-5

Affected: IC 4-21.5-3-7; IC 22-12-1-18.7; IC 22-12-1-23.3; IC 36-8-12-2

Sec. 3. (a) A qualified entity may apply for a loan from the revolving fund on the application form provided by the office. The office shall make application forms available upon request.

(b) Upon receipt of the properly completed and executed application, the office shall review the application and notify the qualified entity of the approval or disapproval of the application. For purposes of this subsection, an application shall not be deemed complete until the office has received all documents required under section 5 of this rule.

(c) In the event the loan is disapproved, the qualified entity shall be given written notice by the office.

(d) A qualified entity may appeal the disapproval of any loan application to the commission in accordance with the provisions of IC 4-21.5-3-7. (*Fire Prevention and Building Safety Commission; 675 IAC 12-14-3; filed May 29, 1997, 2:40 p.m.: 21 IR 396; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-14-4 Loan terms and conditions

Authority: IC 22-13-2-2; IC 22-14-5

Affected: IC 22-12-1-18.7; IC 22-12-1-23.3; IC 22-14-5-9; IC 36-8-12-2

Sec. 4. (a) Upon approval of the application by the office and before delivery of the loan proceeds, the qualified entity, by its designated officers, shall execute a promissory note, a loan and security agreement, and such other documents as are necessary to ensure that the transaction is legal, valid, binding, and enforceable.

(b) The terms and conditions of the promissory note and loan and security agreement shall include, but not be limited to, the following:

(1) A covenant as to the exclusive purpose of the loan pursuant to IC 22-14-5-9(1).

(2) The grant to the office by the qualified entity of a security interest in the equipment and apparatus purchased with the loan proceeds, for the balance of the loan, accrued interest, penalties, and collection expenses.

(3) A repayment period not to exceed seven (7) years.

(4) An interest rate set by the board of finance that is not more than two percent (2%) below the prime bank lending rate prevailing on the date the loan was approved by the office.

(5) If any deferral of principal is allowed, such period shall not exceed two (2) years.

(6) If repayment is limited to a specific revenue source of the qualified entity, the repayment shall not be a general obligation of the qualified entity and shall be payable solely from the specified revenue source.

(7) There shall be no prepayment penalty for payment of the loan sooner than required by the terms of the promissory note.

(8) The amount and frequency of the installment payments, including the principal and interest, together with the address to which the payments are to be delivered.

(9) One (1) or more covenants with respect to the qualified entity's continuing obligation to provide the following to the office:

(A) Signed purchase orders and other documentation evidencing the qualified entity's obligation to purchase the equipment and apparatus that is to be purchased with the loan proceeds.

(B) Canceled checks or other documentation evidencing payment by the qualified entity to the seller of the equipment and apparatus that is to be purchased with the loan proceeds.

(C) Delivery receipts and other documentation, including, where applicable, motor vehicle title documentation, evidencing the receipt by the qualified entity of the equipment and apparatus that is to be purchased with the loan proceeds.

(10) Such representations and warranties as may be necessary to ensure that the promissory note and the loan and security agreement are legal, valid, binding, and enforceable.

(*Fire Prevention and Building Safety Commission; 675 IAC 12-14-4; filed May 29, 1997, 2:40 p.m.: 21 IR 396; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 12-14-5 Form of application

Authority: IC 22-13-2-2; IC 22-14-5

Affected: IC 22-12-1-18.7; IC 22-12-1-23.3; IC 36-8-12-2

Sec. 5. (a) The application shall contain at least the following information:

(1) Name, address, telephone number, federal employer identification number, and, where applicable, state nonprofit identification number of the qualified entity.

(2) Name, title, address, and telephone number of contact person for the qualified entity.

(3) Names of governmental units, if any, with which the qualified entity has contracted to provide fire protection or emergency

services.

- (4) Organizational structure of the qualified entity.
 - (5) Where applicable, the tax exempt status of the qualified entity for both state and federal income tax purposes.
 - (6) Amount of loan requested and purpose.
 - (7) A description of the equipment and/or apparatus to be purchased and whether or not it is new or used.
 - (8) Specific source of repayment revenue.
 - (9) Statement of need.
 - (10) Name of person authorized to execute loan documents.
 - (11) The total assessed property tax value of the qualified entity or the total assessed property tax value of those areas for which the qualified entity actually provides fire protection or other emergency services.
 - (12) The total population of the qualified entity, based on the most recent census performed by the United States Census Bureau, or the total population of those areas for which the qualified entity actually provides fire protection or other emergency services, based on the most recent census performed by the United States Census Bureau.
 - (13) The total amount of the qualified entity's last calendar year budget, or last fiscal year budget if the qualified entity does not operate on a calendar year basis, that was spent on firefighting or emergency equipment or apparatus, including, without limitation, personal protective equipment.
- (b) Attachments to the loan application shall include the following:
- (1) Certified copy of the qualified entity's organizational documents, such as its constitution or articles of incorporation, or applicable statute or ordinance or other law creating the qualified entity.
 - (2) If operated by a governmental entity, a copy of the resolution of the legislative body of the unit creating the qualified entity.
 - (3) If the qualified entity is a nonprofit corporation, a copy of its bylaws and a certificate of existence from the corporations division of the office of the secretary of state of Indiana.
 - (4) A resolution of the governing body of the qualified entity authorizing the application for the loan, designation of authorized signatory, and execution of all documents necessary to the consummation of the loan.
 - (5) A verified financial statement of the qualified entity, signed by the chief financial officer, showing the income, expenses, assets, liabilities, and sources of income of the qualified entity as of the date of the application, and for the previous three (3) annual accounting periods.
 - (6) A copy of the contract, bid specifications, or proposal for purchase of the equipment and/or apparatus to be purchased with the loan proceeds.

(Fire Prevention and Building Safety Commission; 675 IAC 12-14-5; filed May 29, 1997, 2:40 p.m.: 21 IR 397; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 12-14-6 Loan priority rating system

Authority: IC 22-13-2-2; IC 22-14-5

Affected: IC 22-12-1-18.7; IC 22-12-1-23.3; IC 36-8-12-2

Sec. 6. The loan priority rating system shall consist of a point system based on the number of points allocated to the qualified entity using the following criteria:

- (1) The total assessed property tax value of the qualified entity, or the total assessed property tax value of those areas for which the qualified entity actually provides fire protection or other emergency services. A total of fifty (50) points shall be allocated to this criterion as follows:
 - (A) \$7,000,000 or less, 50 points.
 - (B) \$7,000,001 to \$7,500,000, 47 points.
 - (C) \$7,500,001 to \$8,000,000, 44 points.
 - (D) \$8,000,001 to \$8,500,000, 41 points.
 - (E) \$8,500,001 to \$9,000,000, 38 points.
 - (F) \$9,000,001 to \$9,500,000, 35 points.
 - (G) \$9,500,001 to \$10,000,000, 32 points.
 - (H) \$10,000,001 to \$10,500,000, 29 points.
 - (I) \$10,500,001 to \$11,000,000, 26 points.
 - (J) \$11,000,001 to \$11,500,000, 23 points.

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- (K) \$11,500,001 to \$12,000,000, 20 points.
- (L) \$12,000,001 to \$12,500,000, 17 points.
- (M) \$12,500,001 to \$13,000,000, 14 points.
- (N) \$13,000,001 to \$13,500,000, 11 points.
- (O) \$13,500,001 to \$14,000,000, 8 points.
- (P) \$14,000,001 to \$14,500,000, 5 points.
- (Q) \$14,500,001 to \$15,000,000, 2 points.
- (R) Over \$15,000,000, 0 points.

(2) The total population of the qualified entity, based on the most recent census performed by the United States Census Bureau, or the total population of those areas for which the qualified entity actually provides fire protection or other emergency services, based on the most recent census performed by the United States Census Bureau. A total of twenty (20) points shall be allocated to this criterion as follows:

- (A) 500 or less, 20 points.
- (B) 501–1,500, 19 points.
- (C) 1,501–2,500, 18 points.
- (D) 2,501–3,500, 17 points.
- (E) 3,501–4,500, 16 points.
- (F) 4,501–5,500, 15 points.
- (G) 5,501–6,500, 14 points.
- (H) 6,501–7,500, 13 points.
- (I) 7,501–8,500, 12 points.
- (J) 8,501–9,500, 11 points.
- (K) 9,501–10,500, 10 points.
- (L) 10,501–11,500, 9 points.
- (M) 11,501–12,500, 8 points.
- (N) 12,501–13,500, 7 points.
- (O) 13,501–14,500, 6 points.
- (P) 14,501–15,500, 5 points.
- (Q) 15,501–16,500, 4 points.
- (R) 16,501–17,500, 3 points.
- (S) 17,501–18,500, 2 points.
- (T) More than 18,500, 0 points.

(3) The total amount of the qualified entity's last calendar year budget, or last fiscal year budget if the qualified entity does not operate on a calendar year basis, that was spent on the acquisition of firefighting or emergency equipment or apparatus, including, without limitation, personal protective equipment. A total of thirty (30) points shall be allocated to this criterion as follows:

- (A) \$2,000 or less, 30 points.
- (B) \$2,001–\$3,000, 28 points.
- (C) \$3,001–\$4,000, 26 points.
- (D) \$4,001–\$5,000, 24 points.
- (E) \$5,001–\$6,000, 22 points.
- (F) \$6,001–\$7,000, 20 points.
- (G) \$7,001–\$8,000, 18 points.
- (H) \$8,001–\$10,000, 16 points.
- (I) \$10,001–\$12,000, 14 points.
- (J) \$12,001–\$14,000, 12 points.
- (K) \$14,001–\$16,000, 10 points.
- (L) \$16,001–\$18,000, 8 points.
- (M) \$18,001–\$20,000, 6 points.
- (N) \$20,001–\$22,000, 4 points.
- (O) \$22,001–\$24,000, 2 points.

(P) More than \$24,001, 0 points.

(Fire Prevention and Building Safety Commission; 675 IAC 12-14-6; filed May 29, 1997, 2:40 p.m.: 21 IR 397; errata filed Apr 15, 1998, 10:30 a.m.: 21 IR 3367; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

ARTICLE 13. BUILDING CODES

Rule 1. Fire and Building Safety Standards

675 IAC 13-1-1 Fire safety standards

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 1. (a) Those certain documents, being standards, published by the National Fire Protection Association (NFPA), Batterymarch Park, Quincy, Massachusetts 02269, and as listed in this rule are hereby adopted by reference, subject to the listed deletions and amendments, and made a part of this rule as if fully set out herein.

(b) Within the standards adopted under subsection (a), the term “authority having jurisdiction” shall mean the fire official or building official as defined in 675 IAC 12, General Administrative Rules. Wherever reference is made to NFPA 101, Life Safety Code, within the standards adopted in subsection (a), such reference is deleted and a reference is made to 675 IAC 13, the Indiana Building Code and shall be substituted therefor. Wherever reference is made to NFPA 70, the National Electrical Code within the standards adopted in subsection (a), such reference is deleted and a reference is made to 675 IAC 17, the Indiana Electrical Code.

(c) Publications referenced within the documents adopted in subsection (a), unless specifically adopted by reference in this title, are deemed to be accepted practice and supplementary to these documents pursuant to and within the limitation of subsection (d).

(d) Where the rules of the commission, or any codes or standards incorporated by reference therein, make reference to other codes or standards not adopted by the commission, such codes or standards are not enforceable. However, such other standards are deemed to be accepted practice and supplementary to the rules of the commission for purposes of interpretation and review of plans and specifications by the state fire marshal and the state building commissioner; provided, however, that such codes or standards are not in irreconcilable conflict with specific rules of the commission. *(Fire Prevention and Building Safety Commission; 675 IAC 13-1-1; filed May 17, 1985, 2:13 p.m.: 8 IR 1302; filed Aug 26, 1985, 4:03 p.m.: 9 IR 49; filed Jan 8, 1986, 12:08 p.m.: 9 IR 1028; filed Apr 1, 1986, 10:03 a.m.: 9 IR 2025; filed Sep 5, 1986, 9:22 a.m.: 10 IR 12; filed Jun 5, 1989, 8:30 a.m.: 12 IR 1897; filed Oct 2, 1989, 4:25 p.m.: 13 IR 290; filed Nov 15, 1990, 1:50 p.m.: 14 IR 739, eff Nov 1, 1990 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #90-51 was filed Nov 15, 1990.]*

675 IAC 13-1-2 Building safety standards (Repealed)

Sec. 2. *(Repealed by Fire Prevention and Building Safety Commission; filed Oct 2, 1989, 4:25 p.m.: 13 IR 293)*

675 IAC 13-1-3 Availability of adopted matter

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 37-7

Sec. 3 (a) The documents adopted by reference in section 1 of this rule do not include any later amendments or editions.

(b) The documents adopted by reference in section 1 of this rule are available for purchase from the Fire and Building Services Department, Indiana Government Center-South, 402 West Washington Street, Room E221, Indianapolis, Indiana 46204, or from the National Fire Protection Association, Batterymarch Park, Quincy, Massachusetts 02269. *(Fire Prevention and Building Safety Commission; 675 IAC 13-1-3; filed May 17, 1985, 2:13 p.m.: 8 IR 1303; filed Oct 2, 1989, 4:25 p.m.: 13 IR 291; filed Mar 29, 2000, 11:39 a.m.: 23 IR 2001)*

675 IAC 13-1-4 NFPA 11

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 4. (a) Standard for Low Expansion Foam, NFPA 11, 1994, published by National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101 is adopted by reference except as revised hereafter.

(b) The following documents referenced in NFPA 11 are not adopted, are not enforceable, and are for information purposes only:

- (1) NFPA 11A, NFPA 11C, NFPA 16, NFPA 16A, NFPA 18, NFPA 24, NFPA 30, and NFPA 414.
- (2) ASTM E380.
- (3) AWS D10.9.

(c) Delete the last sentence of section 1-2, and substitute to read as follows: For alternate materials, methods and design see the General Administrative Rules (675 IAC 12-6-11).

(d) Amend the following definitions in section 1-4 to read as follows: APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

AUTHORITY HAVING JURISDICTION means the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the commission. For the purposes of Industrialized Building Systems (675 IAC 15), authority having jurisdiction means the state building commissioner.

LABELED. Equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation that maintains periodic inspection of production of labeled equipment or materials and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED. Equipment or materials included in a list published by an organization engaged in product evaluation that maintains periodic inspection of production of listed equipment or materials and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(e) Add the following definitions to section 1-4 as follows: NFPA 70, National Electric Code means the Indiana Electrical Code (675 IAC 17).

TRAINED means one who has undergone the instructions necessary to design, install, and perform the maintenance and recharge service.

(f) Amend subsection 2-2.1.5 to read as follows: When solids of sufficient size to obstruct openings or damage the foam equipment might be present, strainers shall be provided. Hydrants furnishing the water supply for foam equipment shall be provided.

(g) Amend subsection 2-2.1.6 to read as follows: Water supply or premixed solution shall be protected against freezing.

(h) Amend subsection 2-3.2.1 to read as follows: Foam concentrates and equipment shall be stored in an accessible location not exposed to the hazard they protect. If housed, they shall be in a noncombustible structure. Off-premises supplies shall be of the proper type for use in the systems of the given installation. At the time of a fire, these off-premises supplies shall be accumulated in sufficient quantities, before placing the equipment in operation, to ensure uninterrupted foam production at the design rate for the required period of time.

(i) Amend subsection 2-3.2.5.1 to read as follows: The consumption rates shall be based on the percentage concentrate used in the system design (e.g., three percent (3%) or six percent (6%) or other, if so listed).

(j) Amend subsection 2-9.2.2 to read as follows: Operation shall be controlled by listed or approved mechanical, electrical, hydraulic, or pneumatic means.

(k) Delete the exception to subsection 2-9.2.3 without substitution.

(l) Amend subsection 2-9.2.5 to read as follows: Where automatic shutdown is required, an alarm condition shall remain until manually reset.

(m) Delete chapter 4 and substitute the following: Plans and specifications shall be filed as required by the General Administrative Rules (675 IAC 12).

(n) Delete subsection 5-3.4 in its entirety without substitution.

(o) Delete the exception to subsection 5-5.1 without substitution.

(p) Amend section 6-3 to read as follows: The completed system shall be tested by trained personnel. The tests shall be adequate to determine that the system has been properly installed, and that it functions as intended.

(q) Delete, in the last sentence of section 7-1, "competent" and substitute "trained".

(r) Delete chapter 8 in its entirety without substitution.

(s) Delete Appendix D in its entirety without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 13-1-4;*

filed Sep 5, 1986, 9:22 a.m.: 10 IR 14; filed Oct 2, 1989, 4:25 p.m.: 13 IR 291; filed Aug 15, 1997, 8:54 a.m.: 21 IR 91)

675 IAC 13-1-5 NFPA 12

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 5. (a) Standard on Carbon Dioxide Extinguishing Systems, NFPA 12, 1993, published by National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101 is adopted by reference except as revised hereafter.

(b) The following documents referenced in NFPA 12 are not adopted, are not enforceable, and are for information purposes only:

- (1) NFPA 69 and NFPA 77.
- (2) ASTM A120 and ASTM E380.
- (3) ASME Code for Unfired Pressure Vessels.
- (4) Department of Transportation (DOT).
- (5) Code of Federal Regulations (CFR).
- (6) ANSI C2.
- (7) CSA C22.1.

(c) Delete the last sentence of section 1-2 and substitute to read as follows: For alternate materials, methods, and design, see the General Administrative Rules (675 IAC 12-6-11).

(d) Amend the following definitions in subsection 1-3.1 to read as follows: APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

AUTHORITY HAVING JURISDICTION means the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the commission. For the purposes of Industrialized Building Systems (675 IAC 15), authority having jurisdiction means the state building commissioner.

LABELED. Equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation that maintains periodic inspection of production of labeled equipment or materials and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED. Equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(e) Add the following definitions to read as follows: NFPA 70, National Electric Code means the Indiana Electrical Code (675 IAC 17).

TRAINED means one who has undergone the instructions necessary to design, install, and perform the maintenance and recharge service.

(f) Delete, in the first sentence of subsection 1-4.2.2, “properly” without substitution.

(g) Amend subsection 1-5.1.1 by:

- (1) deleting the third sentence; and
- (2) deleting the Note.

(h) Delete the last sentence of subsection 1-5.1.7 in its entirety without substitution.

(i) Delete subsections 1-6.1 and 1-6.2 and substitute the following: Plans and specifications shall be filed in accordance with the General Administrative Rules (675 IAC 12).

(j) Amend subsection 1-6.3 to read as follows: The completed system shall be tested. Only listed or approved equipment and devices shall be used in the system.

(k) Delete, in subsection 1-7.1.1, Exception No. 1 without substitution.

(l) Amend the first sentence of subsection 1-7.4 to read as follows: Supervision of automatic systems shall be provided.

(m) Delete subsection 1-8.1.2 in its entirety without substitution.

(n) Amend subsection 1-8.1.3 to read as follows: Both main and reserve supplies for fixed storage systems shall be permanently connected to the piping and arranged for easy changeover.

- (o) Delete the NOTE in subsection 1-8.5.1 without substitution.
- (p) Delete the last sentence of subsection 1-8.5.2 without substitution.
- (q) Amend subsection 1-8.6.1 to read as follows: Pressure containers exceeding five (5) cubic feet in volume shall be made and marked in accordance with the rules of construction of the Boiler and Pressure Vessel Board (680 IAC 1-4-1 [680 IAC 1 was repealed filed Jan 5, 1996, 10:15 a.m.: 19 IR 1138. See 680 IAC 2.]). The design pressure shall be at least three hundred twenty-five (325) psi (two thousand two hundred forty-one (2,241) kpa).
- (r) Amend subsection 1-9.1 by deleting “ASTM-53” in two (2) places and substituting “ASTM A-53”.
- (s) Amend subsection 1-9.2 by adding a sentence to the end of the section to read as follows: The system shall be designed and installed to accommodate the seismic forces as required by the Indiana Building Code (675 IAC 13).
- (t) Amend subsection 1-10.3.2 by deleting “competent” and substituting “trained”.
- (u) Amend subsection 1-10.3.4 by deleting “competent” and substituting “trained”.
- (v) Amend the last sentence of subsection 1-10.3.8 by deleting “competent” and substituting “trained”.
- (w) Amend subsection 2-3.2.2 by deleting “recognized” and substituting “approved”.
- (x) Delete the first sentence of subsection 2-4.2.2 without substitution.
- (y) Delete subsection 3-2.1.1 in its entirety without substitution.
- (z) Amend subsection 3-6.1.2 to read as follows: The system shall be designed for automatic operation.
- (aa) Delete Chapter 4 in its entirety without substitution.
- (bb) Amend subsection 5-1.1 to read as follows: A standpipe system is a fixed total flooding, local application, or hand hose line system without a permanently connected carbon dioxide supply.
- (cc) Delete subsection 5-1.2 in its entirety without substitution.
- (dd) Amend subsection 5-1.3 to read as follows: Standpipe systems shall be installed and maintained in accordance with the requirements in Chapters 1, 2, and 3.
- (ee) Amend section 5-2 to read as follows: Standpipe systems may be used to protect hazards included in Chapters 1, 2, and 3.
- (ff) Delete section 5-3 in its entirety without substitution.
- (gg) Delete section 5-4 in its entirety without substitution.
- (hh) Delete Chapter 6 in its entirety without substitution.
- (ii) Delete Appendix B in its entirety without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 13-1-5; filed Sep 5, 1986, 9:22 a.m.: 10 IR 14; filed Oct 2, 1989, 4:25 p.m.: 13 IR 291; filed Aug 15, 1997, 8:54 a.m.: 21 IR 92*)

675 IAC 13-1-6 NFPA 12A (Repealed)

Sec. 6. (*Repealed by Fire Prevention and Building Safety Commission; filed Aug 15, 1997, 8:54 a.m.: 21 IR 104*)

675 IAC 13-1-7 NFPA 12B (Repealed)

Sec. 7. (*Repealed by Fire Prevention and Building Safety Commission; filed Aug 15, 1997, 8:54 a.m.: 21 IR 104*)

675 IAC 13-1-8 NFPA 13; installation of sprinkler systems

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 8. (a) Standard for the Installation of Sprinkler Systems, NFPA 13, 1999, published by National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101 is adopted by reference except as revised hereafter.

(b) NFPA 11A, NFPA 22, NFPA 24, NFPA 40, NFPA 86C, NFPA 214, and NFPA 703 are not adopted, are not enforceable, and are referenced for information purposes only.

(c) Amend section 1-2 to read as follows: 1-2 Purpose. The purpose of this standard is to provide a reasonable degree of protection for life and property from fire through standardization of design, installation, and testing requirements for sprinkler systems based upon sound engineering principles, test data, and field experience. For alternate materials, methods, and design, see the General Administrative Rules (675 IAC 12-6-11).

(d) Delete section 1-3 in its entirety.

(e) Amend the following definitions in subsection 1-4.1 to read as follows:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

AUTHORITY HAVING JURISDICTION means the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the commission. For the purposes of Industrialized Building Systems (675 IAC 15), authority having jurisdiction means the state building commissioner.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation that maintains periodic inspection of production of listed equipment or materials and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(f) Add the following definitions to subsection 1-4.1 to read as follows:

BUILDING CODE is the building code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of a structure.

FIRE CODE is the fire code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of a structure.

LABELED. Equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation that maintains periodic inspection of production of labeled equipment or materials and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

NFPA 72 means the National Fire Alarm Code (675 IAC 22-2.2-17).

(g) Amend the following definitions in subsection 1-4.2 to read as follows:

DWELLING UNIT means any building or portion thereof which contains living facilities, including provisions for sleeping, eating, cooking, and sanitation, as required by the Indiana Building Code (675 IAC 13), for not more than one (1) family, or a congregate residence for ten (10) or fewer persons. For purposes of this standard, dwelling unit includes hotel rooms, dormitory rooms, apartments, condominiums, sleeping rooms in nursing homes, and similar living units.

SHOP WELDED. As used in this standard, shop, in the term shop welded, means either of the following:

(1) At a sprinkler contractors' or fabricators' premises.

(2) In an area specifically designed for such work, such as a detached outside location, maintenance shop, or other area of noncombustible or fire-resistive construction free of combustible and flammable contents and segregated from adjacent areas.

(h) Amend the following definition in subsection 1-4.8 as follows: SHELF-STORAGE means storage on shelves less than thirty (30) inches (seven hundred sixty-two millimeters (762 mm)) deep with the distance between shelves not exceeding three (3) feet (nine hundred fourteen millimeters (914 mm)) vertically.

(i) Delete the last sentence of subsection 1-6.2.

(j) Delete the text of Chapter 2 and substitute to read as follows: Commodity and occupancy classification shall be as set forth in Article 81 of the Indiana Fire Code (675 IAC 22-2.2).

(k) Amend Exception No. 3 in subsection 3-8.1.1 to read as follows: A nonindicating valve, such as an underground gate valve with an approved roadway box complete with T-wrench, acceptable to the water purveyor shall be permitted.

(l) Amend subsection 3-9.1 to read as follows: The fire department connection(s) shall be internal threaded swivel fitting(s) having threads compatible with those of the local fire department.

(m) Delete subsection 4-5.1.

(n) Amend the first sentence of subsection 4-6.1.6 to read as follows: Materials added to water shall not adversely affect the fire fighting properties of the water.

(o) Amend subsection 4-9.1 to read as follows: In cooking areas protected by automatic sprinklers, additional sprinklers or automatic spray nozzles shall be provided to protect commercial-type ventilation systems that are designed to carry away grease-laden vapors as required by the Indiana Mechanical Code (675 IAC 18).

(p) Delete subsection 4-9.8.3 and substitute as follows: See the Indiana Mechanical Code (675 IAC 18) for shut off requirements.

(q) Amend subsection 5-2 by deleting "NFPA Standards" in two (2) places and substituting "rules of the commission as applicable".

(r) Amend subsection 5-4.5.1 by inserting ", sleeping rooms in health care facilities" after the words "dwelling units".

(s) Amend subsection 5-4.6.3 to read as follows: ESFR sprinklers shall be permitted for use in buildings with unobstructed or obstructed construction. Where depths of the solid structural members (beams, stems, etc.) exceed twelve (12) inches (three hundred four (304) mm). ESFR sprinklers shall be installed in each channel formed by the solid structural members. Minimum sprinkler spacing and area coverage shall comply with 5-11.2.3 and 5-11.3.4.

(t) Delete Exception 1 in subsection 5-5.6.

(u) Delete the Exception in subsection 5-6.6.

(v) Delete the Exception in subsection 5-8.6.

(w) Amend subsection 5-13.4 Exception 2(b) by deleting “NFPA 101 Life Safety Code” and substituting “applicable rules of the Commission”.

(x) Amend the exception to subsection 5-13.6.3 to read as follows: Exception: Sprinklers are not required at the tops of noncombustible hoistways of passenger elevators whose car enclosure materials meet the requirements of the Indiana Safety Code for Elevators, Escalators, Manlifts, and Hoists (675 IAC 21).

(y) Delete the second sentence of subsection 5-14.2.6.1.

(z) Amend subsection 5-15.5.1.1 in two (2) places:

(1) delete “lines” and substitute “connections”.

(2) after the words “Hose System”, add “675 IAC 13”.

(aa) Amend subsection 5-16.1 by adding “675 IAC 22-2.2-6” after “materials”.

(bb) Delete sections 5-17 and 5-18 without substitution.

(cc) Amend subsection 5-19.1 by adding “675 IAC 22-2.2-10” after “Processes”.

(dd) Delete section 5-20 without substitution.

(ee) Amend section 5-21 by adding “675 IAC 13” in two (2) places:

(1) in 5-21.1 after “equipment”; and

(2) in 5-21.2 after “NFPA 82” and before “shall be used”.

(ff) Delete section 5-22 without substitution.

(gg) Delete sections 5-23, 5-24, 5-25, 5-26, 5-27, 5-28, 5-29, 5-30, and 5-31 without substitution.

(hh) Amend subsection 6-1.1 as follows:

(1) Add to the second line of Exception 1 after “engineer” and before “to”, the following: “or architect”.

(2) Delete, in the last paragraph of Exception 1, “when required by the reviewing authority” and substitute to read as follows: to the office of the state building commissioner as required by the General Administrative Rules (675 IAC 12-6).

(ii) Amend subsection 6-3.3.1.2 by deleting the words “by the authority having jurisdiction” from the exception.

(jj) Amend the first sentence of subsection 6-4.1 to read as follows: Sprinkler systems shall be protected to prevent pipe breakage where subject to earthquakes in accordance with the requirements of 6-4 and the Indiana Building Code (675 IAC 13) except where alternative methods of providing earthquake protection of sprinkler systems is based on a dynamic seismic analysis certified by a design professional, such that system performance will be at least equal to that of the building structure under expected seismic forces.

(kk) Delete the exception in subsection 6-4.5.6 without substitution.

(ll) Amend the subsection 6-4.5.8 as follows:

(1) Amend the exception to read as follows: Exception: Other pipe schedules and materials not specifically included in Table 6-4.5.8 shall be permitted to be used if certified by a registered professional engineer or architect to support the loads determined in accordance with the above criteria. Calculations shall be submitted to the office of the state building commissioner as required by the General Administrative Rules (675 IAC 12-6).

(2) In Table 6-4.5.8, change the second slenderness ratio for pipe (Schedule 40) from 200 to 100.

(mm) Amend subsection 6-4.5.9 Exception 2 to read as follows: Other fastening methods are acceptable for use if certified by a registered professional engineer or architect to support the loads determined in accordance with the criteria in 6-4.5.9.

(nn) Amend subsection 7-9.2.2 as follows:

(1) After the last word “criteria”, insert “, but not less than to provide a minimum of .01 gpm/per sq ft over the design area”.

(2) Add an exception to read as follows: Exception: For modification or alteration to existing systems equipped with residential sprinklers, the listed discharge criteria shall be permitted to be used.

(oo) Amend subsection 7-9.4.1 by deleting “NFPA Standards” and substituting “rules of the Fire Prevention and Building Safety Commission”.

(pp) Amend subsection 7-9.4.2.1 by deleting “NFPA standards” and substituting “rules of the Fire Prevention and Building

Safety Commission”.

(qq) Amend subsection 7-9.4.2.2 by deleting from the last sentence “NFPA Standards” and substituting “rules of the Fire Prevention and Building Safety Commission”.

(rr) Amend subsection 7-9.5.1 by deleting “NFPA Standards” and substituting “rules of the Fire Prevention and Building Safety Commission”.

(ss) Delete subsections 7-10.1 and 7-10.2 and substitute the following:

(1) Flammable and combustible liquids: See Article 79 in the Indiana Fire Code (675 IAC 22-2.2).

(2) Aerosol products: See Article 88 in the Indiana Fire Code (675 IAC 22-2.2).

(tt) Amend subsection 7-10.3.1 by adding “675 IAC 22-2.2-6” after “Materials”.

(uu) Delete subsections 7-10.4, 7-10.5, 7-10.6, and 7-10.7 without substitution.

(vv) Amend subsection 7-10.8.1 by adding “675 IAC 22-2.2-10” after “Processes”.

(ww) Amend subsection 7-10.9.1 by adding “675 IAC 22-2.2-11” after “Plants”.

(xx) Amend subsection 7-10.9.2 to read as follows: The need for automatic water spray system protection for acetylene cylinder charging manifolds and cylinder storage areas shall be determined by the building code (675 IAC 13). Where automatic water spray systems are installed, they shall be in accordance with NFPA 15, Standard for Water Spray Fixed Systems for Fire Protection (675 IAC 22-2.2-4).

(yy) Delete subsection 7-10.10 in its entirety without substitution.

(zz) Amend subsection 7-10.11.1 by adding “675 IAC 22-2.2-15” after “Plants”.

(aaa) Amend subsection 7-10.12.1 by adding “675 IAC 22-2.2-16” after “Gas”.

(bbb) Amend subsection 7-10.13.1 to read as follows: Ventilation control and Fire Protection of Commercial Cooking Operations shall be in accordance with the Indiana Mechanical Code (675 IAC 18).

(ccc) Delete sections 7-10.14, 7-10.15, 7-10.16, 7-10.17, 7-10.18, 7-10.19, 7-10.20, 7-10.21, 7-10.22, 7-10.23, 7-10.24, 7-10.25, 7-10.26, and 7-10.27 without substitution.

(ddd) Delete section 8-1 in its entirety and substitute to read as follows: Plans and specifications shall be filed as required by the General Administrative Rules (675 IAC 12).

(eee) Amend subsection 8-4.1 by deleting from the last sentence “standards” and substituting “rules of the Fire Prevention and Building Safety Commission”.

(fff) Amend the footnote to Table 8-4.4.5 by deleting “is permitted to consider” and substituting “may approve”.

(ggg) Amend section 8-6 to read as follows: Open sprinkler and deluge systems shall be hydraulically calculated.

(hhh) Delete subsection 9-1.7 without substitution.

(iii) Amend subsection 9-1.8 to read as follows: Where equipment is installed to guard against possible contamination of the water supply system, such equipment and devices shall be listed for fire protection service.

(jjj) Amend subsection 9-2.1 to read as follows: A connection to a water purveyors distribution system shall be an acceptable water supply source. The volume and pressure of a public water supply shall be determined from waterflow test data.

(kkk) Amend subsection 9-2.3.1.1 to read as follows: An approved pressure tank shall be an acceptable water supply source.

(lll) Amend subsection 9-2.4 to read as follows: An approved elevated tank shall be an acceptable water supply source.

(mmm) Amend section 10-1(1) to read as follows: Notify the owner’s representative of the time and date testing will be performed.

(nnn) Amend the Contractors’ Material and Test Certificate for Aboveground Piping as follows:

(1) Delete from the second paragraph of Procedure “approving authorities” in two (2) places.

(2) Delete the Plans category.

(ooo) Amend the Contractors’ Material and Test Certificate for Underground Piping as follows:

(1) Delete from the second paragraph of Procedure “approving authority” in two (2) places.

(2) Delete the Plans category.

(ppp) Delete Chapter 11 in its entirety.

(qqq) Amend section 12-1 by deleting everything after the words “Protection Systems” and substitute “675 IAC 22-2.2-5”.

(rrr) Delete Chapter 13 in its entirety. (*Fire Prevention and Building Safety Commission; 675 IAC 13-1-8; filed Sep 5, 1986, 9:22 a.m.: 10 IR 14; filed Oct 2, 1989, 4:25 p.m.: 13 IR 291; filed Aug 15, 1997, 8:54 a.m.: 21 IR 94; filed Nov 14, 2001, 4:55 p.m.: 25 IR 1166*)

675 IAC 13-1-9 NFPA 14

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 9. (a) Standard for the Installation of Standpipe, Private Hydrant, and Hose Systems, NFPA 14, 2000, published by National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101 is adopted by reference except as revised hereafter.

(b) The following documents referenced in NFPA 14 are not adopted, are not enforceable, and are referenced for information purposes only:

(1) NFPA 22.

(2) ASTM E380.

(c) Amend section 1-2 to read as follows: The purpose of this standard is to provide a reasonable degree of protection for life and property from fire through standardization of design, installation, and testing requirements for standpipe systems based upon sound engineering principles, test data, and field experience. For alternate methods, materials, and design, see the General Administrative Rules (675 IAC 12-6-11).

(d) Delete the exception in section 1-3 without substitution.

(e) Amend the following definitions in section 1-4 to read as follows:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

AUTHORITY HAVING JURISDICTION means the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the commission. For the purposes of Industrialized Building Systems (675 IAC 15), authority having jurisdiction means the state building commissioner.

LISTED. Equipment or materials included in a list published by an organization engaged in product evaluation that maintains periodic inspection of production of listed equipment or materials and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(f) Add the following definition to section 1-4: 1-4.15.1 NFPA 13; Installation of sprinkler systems means 675 IAC 13-1-8.

(g) Amend subsection 2-5, Exception No. 3 to read as follows: A nonindicating valve, such as an underground gate valve with approved roadway box complete with T-wrench, approved by the authority having jurisdiction.

(h) Amend subsection 2-6.1.3 to read as follows: Where a fire-resistive assembly is penetrated by a cabinet, the fire resistance of the assembly shall be maintained.

(i) Delete subsection 2-6.2.1 without substitution.

(j) Amend subsection 2-7, Exception to read as follows: Where the local fire department uses fittings different from those specified, fittings compatible with the local fire department equipment shall be used.

(k) Amend subsection 2-8-2, Exception to read as follows: Where the local fire department uses fittings different from those specified, fittings compatible with local fire department equipment shall be used.

(l) Amend subsection 2-9.2, Exception to read as follows: Where the local fire department uses fittings different from those specified, fittings compatible with the local fire department equipment shall be used.

(m) Delete subsection 3-1.1 in its entirety without substitution.

(n) Delete subsection 3-1.3 without substitution.

(o) Amend subsection 3-7.1 to read as follows: For automatic or semiautomatic systems, listed water flow alarms shall be provided.

(p) Amend subsection 5-3.2(f) to read as follows: (f) Where the most remote portion of a nonsprinklered floor or story exceeds one hundred fifty (150) feet (forty-five (45) meters) of travel distance from a required exit or the most remote portion of a sprinklered floor or story exceeds two hundred (200) feet (sixty-one (61) meters) of travel distance from a required exit, additional hose connections shall be provided in approved locations.

(q) Delete the first two (2) sentences of section 5-7 and substitute to read as follows: Standpipe systems shall be designed so that the system demand can be supplied by both the attached water supply and fire department connections.

EXCEPTION: Manual standpipe systems shall be designed so that the system demand can be supplied by the fire department connections.

- (r) Delete Exception No. 1 and Exception No. 2 to section 5-7(1) without substitution.
- (s) Amend the last sentence of the exception to subsection 5-9.1.3.1 to read as follows: The flow rate required for the standpipe demand of a combined system in a building protected throughout by an automatic sprinkler system need not exceed one thousand (1,000) gpm (three thousand seven hundred eighty-five (3,785) L/min).
- (t) Delete subsection 5-9.1.3.3 in its entirety without substitution.
- (u) Delete the exception to subsection 5-10.2 without substitution.
- (v) Amend the exception to subsection 5-11.1 to read as follows: Where the local fire department uses fittings different from those specified, fittings compatible with the local fire department equipment shall be used.
- (w) Delete the exception to subsection 5-12.2 without substitution.
- (x) Amend subsection 5-13.1 to read as follows: See local ordinance.
- (y) Delete the exception to 5-13.1 without substitution.
- (z) Delete subsection 5-15.2 without substitution.
- (aa) Delete Chapter 6 and substitute the following: Plans and specifications shall be filed as required by the General Administrative Rules (675 IAC 12).
- (bb) Amend subsection 7-1.2(2) to read as follows: Automatic fire pumps connected to an approved water source in accordance with NFPA 20, Standard for the Installation of Stationary Pumps for Fire Protection (675 IAC 13-1-10).
- (cc) Amend the last sentence of subsection 7-4.3 to read as follows: This means shall be in the form of high-level water storage with additional pumping equipment.
- (dd) Amend subsection 9-2.1 to read as follows: Underground piping supplying the system shall be flushed in accordance with NFPA 13 (675 IAC 13-1-8).
- (ee) Amend the last sentence of subsection 9-4.1 to read as follows: Underground pipe shall be tested in accordance with NFPA 13 (675 IAC 13-1-8).
- (ff) Amend subsection 9-7 to read as follows: Each alarm and supervisory device provided shall be tested in accordance with NFPA 72, National Fire Alarm Code (675 IAC 22-2.2-17).
- (gg) Amend the Contractor's Material and Test Certificate for Aboveground Piping Standpipe System NFPA 14 by:
 - (1) changing in the Procedure section "approving authorities" in two (2) places to read "authority having jurisdiction";
 - (2) changing in the Plans section "Accepted By Approving Authority(s) (Names) Address" to read as follows: state building commissioner Project Number; and
 - (3) deleting "For Approving Authorities" in the third line of "System Operating Test Witnessed By" section.
- (hh) Amend the Contractors Material and Test Certificate for Underground Piping by:
 - (1) changing in the Procedure section "approving authorities" in two (2) places to read authority having jurisdiction; and
 - (2) changing in the Plans section "Accepted By Approving Authority(s) (Names) Address" to read as follows: state building commissioner Project Number.
- (ii) Amend subsection 9-8(2) to read as follows: A copy of NFPA 25, Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems (675 IAC 22-2.2-5).
- (jj) Delete Chapter 10 and substitute to read as follows: For buildings under construction, see the Indiana Fire Code (675 IAC 22).
- (kk) Delete Chapter 11 in its entirety without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 13-1-9; filed Sep 5, 1986, 9:22 a.m.: 10 IR 14; filed Aug 15, 1997, 8:54 a.m.: 21 IR 96; filed Nov 14, 2001, 4:55 p.m.: 25 IR 1170*)

675 IAC 13-1-9.5 NFPA 17

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 9.5. (a) Standard for Dry Chemical Extinguishing Systems, NFPA 17, 1994, published by National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101 is adopted by reference except as revised hereafter.

(b) The following documents referenced in NFPA 17 are not adopted, are not enforceable, and are for information purposes only:

- (1) NFPA 30 and NFPA 121.
- (2) ASTM E380.
- (3) DOT (U.S. Department of Transportation).

(4) TC (Transport Canada).

(5) ANSI C-2.

(6) Code of Federal Regulations.

(c) Delete the last sentence of section 1-2 and substitute to read as follows: For alternate materials, methods, and design, see the General Administrative Rules (675 IAC 12-6-11).

(d) Delete section 1-3 in its entirety without substitution.

(e) Amend the following definitions in section 1-4 to read as follows: APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

AUTHORITY HAVING JURISDICTION means the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the commission. For the purposes of Industrialized Building Systems (675 IAC 15), authority having jurisdiction means the state building commissioner.

LISTED. Equipment or materials included in a list published by an organization engaged in product evaluation that maintains periodic inspection of production of listed equipment or materials and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(f) Add the following definitions to section 1-4 to read as follows: NFPA 70 means the Indiana Electrical Code (675 IAC 17).

TESTING LABORATORY means an independent nationally recognized testing laboratory or other organization listed in the General Administrative Rules (675 IAC 12-6-11).

(g) Delete section 2-2 in its entirety without substitution.

(h) Amend section 2-6.1 to read as follows: The type of dry chemical used in the system shall not be changed unless proved to be changeable by a testing laboratory and recommended by the manufacturer of the equipment. Systems are designed on the basis of the flow and extinguishing characteristics of a specific make and type of dry chemical.

CAUTION: Types of dry chemicals shall not be mixed. Mixtures of certain dry chemicals will generate dangerous pressures and will form lumps.

(i) Delete in section 2-9 the first two (2) sentences.

(j) Delete subsection 3-7.2 in its entirety without substitution.

(k) Delete Chapter 6 in its entirety without substitution.

(l) Delete the note to subsection 7-3.2 and substitute as follows: For other specific details, see the Indiana Mechanical Code (675 IAC 18).

(m) Delete subsection 7-3.4.2 in its entirety without substitution.

(n) Delete the exception to subsection 7-5.3.

(o) Delete section 7-6 in its entirety without substitution.

(p) Delete sections 8-1 and 8-2 and substitute to read as follows: Plans and specifications shall be filed in accordance with the General Administrative Rules (675 IAC 12).

(q) Delete subsection 8-3.1 in its entirety without substitution.

(r) Amend section 8-4 by deleting “qualified” and substituting “trained”.

(s) Amend subsection 8-4.2 by deleting the second sentence and the exception without substitution.

(t) Delete Chapter 10 in its entirety without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 13-1-9.5; filed Aug 15, 1997, 8:54 a.m.: 21 IR 98*)

675 IAC 13-1-9.6 NFPA 17A

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14, IC 22-15; IC 36-7

Sec. 9.6. (a) Standard for Wet Chemical Extinguishing Systems, NFPA 17A, 1994, published by National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101 is adopted by reference except as revised hereafter.

(b) The following documents referenced in NFPA 17A are not adopted, are not enforceable, and are for information purposes only:

(1) ASTM E380.

(2) DOT (U.S. Department of Transportation).

(3) TC (Transport Canada).

(c) Delete the last sentence of section 1-2 and substitute to read as follows: For alternate materials, methods, and design, see the General Administrative Rules (675 IAC 12-6-11).

(d) Delete section 1-2.1 and substitute to read as follows: Only persons trained in the design, installation, and servicing of pre-engineered wet chemical systems shall design, install, and service pre-engineered wet chemical systems.

(e) Delete section 1-3 in its entirety without substitution.

(f) Amend the following definitions in subsection 1-4.1 to read as follows: APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

AUTHORITY HAVING JURISDICTION means the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the commission. For the purposes of Industrialized Building Systems (675 IAC 15), authority having jurisdiction is the state building commissioner.

LISTED. Equipment or materials included in a list published by an organization engaged in product evaluation that maintains periodic inspection of production of listed equipment or materials and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(g) Add the following definition to subsection 1-4.1 to read as follows: NFPA 70 means the Indiana Electrical Code (675 IAC 17).

(h) Delete the note to subsection 2-4.2.1.

(i) Amend subsection 2-7.1 by deleting "or the requirements of the authority having jurisdiction".

(j) Amend subsection 3-4.2 to read as follows: The wet chemical container and expellant gas assemblies shall be located so as not to be subjected to severe weather conditions or to mechanical, chemical, or other damage. Where excessive climatic or mechanical exposures are expected, suitable enclosures or guards shall be provided.

(k) Delete subsection 3-6.1.1 in its entirety without substitution.

(l) Delete subsections 4-1 and 4-2 and substitute to read as follows: Plans and specifications shall be filed in accordance with the General Administrative Rules (675 IAC 12).

(m) Delete Chapter 6 in its entirety without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 13-1-9.6; filed Aug 15, 1997, 8:54 a.m.: 21 IR 99*)

675 IAC 13-1-10 NFPA 20

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 10. (a) Standard for the Installation of Stationary Pumps for Fire Protection, NFPA 20, 1999, published by National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101 is adopted by reference except as revised hereafter.

(b) The following documents referenced in NFPA 20 are not adopted, are not enforceable, and are for information purposes only:

(1) NFPA 24, and NFPA 110.

(2) Hydraulic Institute Standards for Centrifugal, Rotary, and Reciprocating Pumps.

(3) NEMA Standards.

(4) SAE Standards, J-1349.

(5) ANSI/IEEE C62.1, C62.11, C62.41.

(6) ASTM-E.380.

(c) Delete the last sentence of subsection 1-2.1 and substitute to read as follows: For alternate methods, materials, and design, see the General Administrative Rules (675 IAC 12-6-11).

(d) Delete subsection 1-2.2 in its entirety without substitution.

(e) Delete subsection 1-4.3 and substitute the following: Plans and specifications shall be filed as required by the General Administrative Rules (675 IAC 12-6).

(f) Delete subsection 1-5 without substitution.

(g) Change the last sentence of section 1-7 to read as follows: The purchaser shall furnish this data to the authority having jurisdiction when requested.

(h) Amend the following definitions in section 1-8 to read as follows:

APPROVED means, as to materials, equipment, and types of construction, accepted by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

AUTHORITY HAVING JURISDICTION means the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the commission. For the purposes of Industrialized Building Systems (675 IAC 15), authority having jurisdiction means the state building commissioner.

LISTED. Equipment or materials included in a list published by an organization engaged in product evaluation that maintains periodic inspection or production of listed equipment or materials and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(i) Add the following definitions to section 1-8 to read as follows:

NFPA 13, Installation of Sprinkler Systems means 675 IAC 13-1-8.

NFPA 70, National Electrical Code means the Indiana Electrical Code (675 IAC 17).

TESTING LABORATORY means an independent nationally recognized testing laboratory or other organization listed in the General Administrative Rules (675 IAC 12-6-11).

(j) Delete, in section 1-8, the definition of Aquifer.

(k) Delete subsection 1-8.1 in its entirety without substitution.

(l) Delete subsection 2-1.1 in its entirety without substitution.

(m) Delete subsection 2-1.2 in its entirety without substitution.

(n) Amend subsection 2-2.3 to read as follows: Dual-drive pump units shall not be used.

(o) Delete, in section 2-3, the last sentence of the first paragraph.

(p) Amend Exception No. 2 to subsection 2-7.1.1 to read as follows: In buildings protected with an automatic sprinkler system installed in accordance with NFPA 13 (675 IAC 13-1-8), the separation requirement may be reduced to 1-hour fire-rated construction.

(q) Amend subsection 2-8.4 to read as follows: Torch-cutting or welding in the pump house shall be permitted as a means of modifying or repairing pump house piping when it is performed in accordance with NFPA 51B (675 IAC 22-2.2-12).

(r) Amend Exception No. 2 to subsection 2-9.9(a) to read as follows: Check valves and backflow prevention devices and assemblies shall be permitted where required by the water purveyor.

(s) Amend the last sentence of subsection 2-10.2 to read as follows: All pump discharge pipe shall be hydrostatically tested in accordance with NFPA 13 (675 IAC 13-1-8).

(t) Amend subsection 2-14.3.2 to read as follows: Hose valve(s) shall have threads that are compatible with the local fire department hose threads.

(u) Delete subsection 2-14.3.2, Exception without substitution.

(v) Delete subsection 2-21.4 without substitution.

(w) Delete subsection 2-22.1 and substitute to read as follows: The fire pump, driver, diesel fuel tank, and the fire pump controller shall resist lateral loads as required by the Building Code (675 IAC 13).

(x) Amend subsection 4-2.1.1 to read as follows: The water supply shall have the capacity to supply one hundred fifty percent (150%) of the system that it serves as the system design.

(y) Amend subsection 4-2.1.2 by deleting "satisfactory" in two (2) places.

(z) Amend the third sentence of subsection 4-2.7 to read as follows: The test shall be witnessed by a representative of the customer and contractor as required.

(aa) Amend subsection 4-3.3.2 by deleting "suitable" and substituting "approved".

(bb) Amend the first sentence of subsection 4-4.2 to read as follows: The driver shall be screened or enclosed and protected against tampering.

(cc) Amend the first and second sentences of subsection 4-5.1.3.1 to read as one (1) sentence as follows: Gear drives and flexible connecting shafts shall be of the vertical hollow-shaft type.

(dd) Amend subsection 7.5.4 by deleting from the exception "or where the authority having jurisdiction has required manual shutdown".

(ee) Delete section 7-7 without substitution.

(ff) Amend subsection 7-8.1.1 by deleting "by the authority having jurisdiction".

(gg) Amend subsection 8-1.2 to read as follows: Spark-ignited internal combustion engines shall not be used. This restriction shall not be interpreted to exclude gas turbine engines as future pump drivers.

(hh) Delete subsection 8-4.1 and substitute the following: Plans and specifications shall be filed as required by the General Administrative Rules (675 IAC 12).

(ii) Amend the first sentence of subsection 8-4.5 to read as follows: Diesel fuel supply tanks shall be located aboveground in accordance with the Indiana Fire Code (675 IAC 22) and shall not be buried.

(jj) Amend the exception to subsection 9-5.2.6 to read as follows: Automatic shutdown shall not be permitted where the pump constitutes the sole source of supply of a fire sprinkler or standpipe system.

(kk) Delete subsection 9-6.7.4 without substitution.

(ll) Amend the last sentence of subsection 9-6.13 to read as follows: Manual shutdown shall also be provided.

(mm) Delete subsection 11-2.2 in its entirety without substitution.

(nn) Delete subsection 11-3.2 without substitution.

(oo) Delete section 11-5 without substitution.

(pp) Delete Chapter 12 in its entirety without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 13-1-10; filed Sep 5, 1986, 9:22 a.m.: 10 IR 14; filed Apr 5, 1988, 3:05 p.m.: 11 IR 2868; filed Aug 15, 1997, 8:54 a.m.: 21 IR 100; filed Nov 14, 2001, 4:55 p.m.: 25 IR 1172*)

675 IAC 13-1-11 NFPA 71 (Repealed)

Sec. 11. (*Repealed by Fire Prevention and Building Safety Commission; filed Mar 29, 2000, 11:39 a.m.: 23 IR 2001*)

675 IAC 13-1-12 NFPA 72A (Repealed)

Sec. 12. (*Repealed by Fire Prevention and Building Safety Commission; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1144, eff Jan 3, 1993*)

675 IAC 13-1-12.1 NFPA 72 (Repealed)

Sec. 12.1. (*Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124*)

675 IAC 13-1-13 NFPA 72B (Repealed)

Sec. 13. *(Repealed by Fire Prevention and Building Safety Commission; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1144, eff Jan 3, 1993)*

675 IAC 13-1-14 NFPA 72C (Repealed)

Sec. 14. *(Repealed by Fire Prevention and Building Safety Commission; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1144, eff Jan 3, 1993)*

675 IAC 13-1-15 NFPA 72D (Repealed)

Sec. 15. *(Repealed by Fire Prevention and Building Safety Commission; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1144, eff Jan 3, 1993)*

675 IAC 13-1-16 NFPA 72E (Repealed)

Sec. 16. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 29, 2000, 11:39 a.m.: 23 IR 2001)*

675 IAC 13-1-17 NFPA 96 (Repealed)

Sec. 17. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1992, 5:00 p.m.: 16 IR 62, eff Nov 1, 1992)*

675 IAC 13-1-18 NFPA 231 (Repealed)

Sec. 18. *(Repealed by Fire Prevention and Building Safety Commission; filed Jun 24, 1998, 5:43 p.m.: 21 IR 4212)*

675 IAC 13-1-19 NFPA 231C (Repealed)

Sec. 19. *(Repealed by Fire Prevention and Building Safety Commission; filed Jun 24, 1998, 5:43 p.m.: 21 IR 4212)*

675 IAC 13-1-20 NFPA 56F (Repealed)

Sec. 20. *(Repealed by Fire Prevention and Building Safety Commission; filed Oct 6, 1987, 3:00 pm: 11 IR 787)*

675 IAC 13-1-21 NFPA 61B

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 21. (a) Standard for the Prevention of Fires and Explosions in Grain Elevators and Facilities Handling Bulk Raw Agricultural Commodities 1989 (NFPA 61B-1989). Chapter 13 and Appendix D of this document are deleted in their entirety.

(b) When reference is made to the following documents within NFPA 61B such reference is for information purposes only:

(1) NFPA 30-1987, NFPA 31-1987, NFPA 54-1988, NFPA 69-1986, NFPA 80-1986, NFPA 91-1983, NFPA 490-1986, NFPA 496-1989, NFPA 505-1987, NFPA 68-1988, NFPA 77-1988, NFPA 220-1985, NFPA 255-1984, NFPA 601-1986, and NFPA 650-1984.

(2) ANSI B56.1.

(3) Factory Mutual Approval Standard for Electrical Battery Powered Industrial Trucks, Types E and EE, Factory Mutual Approval Standard for Gasoline or Diesel Engine Powered Industrial Trucks, Types G, GS, D, or DS, Factory Mutual Approval Standard for LP-Gas Engine Powered Industrial Trucks, Types LP and LPS.

(4) NGFA Emergency Preplanning and Fire Fighting Manual—A Guide for Grain Elevator Operators and Fire Department Officials, 1987.

(5) U.L. 558-1984 and U.L. 583-1986.

(c) Documents listed in subsection (b) are:

(1) not adopted as part of this rule; and

(2) not enforceable as part of this rule.

(Fire Prevention and Building Safety Commission; 675 IAC 13-1-21; filed Sep 5, 1986, 9:22 a.m.: 10 IR 16; filed Oct 2, 1989, 4:25 p.m.: 13 IR 293; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 13-1-22 NFPA 82

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-4; IC 36-7-8-3

Sec. 22. Standard on Incinerators, Waste and Linen Handling Systems and Equipment 1983 (NFPA 82-1983). Appendix A of this document is deleted in its entirety. *(Fire Prevention and Building Safety Commission; 675 IAC 13-1-22; filed Sep 5, 1986, 9:22 am: 10 IR 16; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 13-1-23 NFPA 664 (Repealed)

Sec. 23. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 29, 1999, 11:05 a.m.: 22 IR 3932)*

675 IAC 13-1-24 NFPA 72F (Repealed)

Sec. 24. *(Repealed by Fire Prevention and Building Safety Commission; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1144, eff Jan 3, 1993)*

675 IAC 13-1-25 NFPA 13R

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 25. (a) Standard for the Installation of Sprinkler Systems in Residential Occupancies up to and including Four Stories in Height, NFPA 13R, 1999, published by National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101 is adopted by reference except as revised hereafter.

(b) Delete the last paragraph of section 1-2 and substitute to read as follows: For alternate materials, methods, and design, see the General Administrative Rules (675 IAC 12-6-11).

(c) Amend the following definitions in section 1-3 to read as follows:

APPROVED, as to materials, equipment, and types of construction, refers to acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

AUTHORITY HAVING JURISDICTION means the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the commission. For the purposes of Industrialized Building Systems (675 IAC 15), authority having jurisdiction means the state building commissioner.

DWELLING UNIT is any building or portion thereof that contains living facilities, including provisions for sleeping, eating, cooking, and sanitation, as required by the Indiana Building Code (675 IAC 13), for not more than one (1) family, or a congregate residence for ten (10) or less persons.

LABELED. Equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation that maintains periodic inspection of production of labeled equipment or materials and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED. Equipment or materials included in a list published by an organization engaged in product evaluation that maintains periodic inspection of production of listed equipment or materials and whose listing states either that the equipment or material

meets appropriate standards or has been tested and found suitable for use in a specified manner.

RESIDENTIAL OCCUPANCIES. Residential occupancies, as included in the scope of this standard, include the following:

- (1) Apartment buildings.
- (2) Lodging and rooming houses.
- (3) Board and care facilities.
- (4) Hotels, motels, and dormitories.

(d) Delete subsection 2-1.1 and substitute as follows: Plans and specifications shall be filed as required by the General Administrative Rules (675 IAC 12).

(e) Amend subsection 2-1.2.1 to read as follows: The installer shall perform all required acceptance tests (see 2-1.3), and complete the Contractor's Material and Test Certificate(s) (see Fig. 2-1.2.1). The certificate(s) shall be available to the authority having jurisdiction upon request.

(f) Delete subsection 2-1.2.2 in its entirety without substitution.

(g) Amend subsection 2-3.2 to read as follows: The following water supply sources are acceptable:

- (1) A connection to the water purveyors distribution system with or without a booster pump, as required.
- (2) An elevated tank.
- (3) An approved pressure tank.

(4) A stored water source with an automatically operated pump, installed in accordance with NFPA 20, Standard for the Installation of Centrifugal Fire Pumps, 675 IAC 13-1-10.

(h) Amend the Contractor's Material and Test Certificate for aboveground piping as follows:

- (1) Delete, in the second paragraph of Procedure, "approving authorities" in two (2) places.
- (2) Delete the Plans category.

(i) Amend section 2-7 by adding "(675 IAC 22-2.2-5)" after the words "Protection Systems".

(j) Delete Chapter 3 in its entirety without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 13-1-25; filed Feb 21, 1990, 1:00 p.m.: 13 IR 1165; errata filed Aug 11, 1990, 5:00 p.m.: 13 IR 2140; filed Aug 15, 1997, 8:54 a.m.: 21 IR 102; filed Nov 14, 2001, 4:55 p.m.: 25 IR 1174*)

675 IAC 13-1-26 NFPA 31; standard for the installation of oil burning equipment (Repealed)

Sec. 26. (*Repealed by Fire Prevention and Building Safety Commission; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1754*)

675 IAC 13-1-27 NFPA 37; standard for the installation and use of stationary combustion engines and gas turbines

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 27. (a) NFPA 37, Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines, 1990 edition is hereby adopted by reference. Chapter 10 and Appendix A of this document are deleted.

(b) When reference is made to the following documents within NFPA 37, such reference is for information purposes only and is not enforceable:

- (1) NFPA 10, NFPA 30, NFPA 54, NFPA 58, NFPA 68, NFPA 70, NFPA 101, NFPA 211, NFPA 220, and NFPA 850.
- (2) ANSI B133.6, ANSI/ASME B31.1.
- (3) API 650.
- (4) SAE Standard J1349.
- (5) ASME Boiler and Pressure Vessel Code.

(*Fire Prevention and Building Safety Commission; 675 IAC 13-1-27; filed Sep 18, 1990, 3:21 p.m.: 14 IR 287; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 13-1-28 NFPA 2001

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 28. (a) Standard on Clean Agent Fire Extinguishing Systems, NFPA 2001, 1994, published by National Fire Protection

Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101 is adopted by reference except as revised hereafter.

(b) The following documents referenced in NFPA 2001 are not adopted, are not enforceable, and are for information purposes only:

- (1) ANSI C2.
- (2) ASME Boiler and Pressure Vessel Code.
- (3) CGA C-6.
- (4) UL 1058.
- (5) ULC S524.
- (6) ULC S529.
- (7) Code of Federal Regulations (CFR).
- (8) ASTM E380 and ASTM A120.
- (9) NFPA 77.
- (10) CAN/ULC S529-M87 and CAN/ULC S524-M86.
- (11) Compressed Gas Association Pamphlet C-6.
- (12) U.S. Department of Transportation (DOT).
- (13) Canadian Transport Commission (CTC).
- (14) CAN 3 A234.1-79.

(c) Delete the last sentence of subsection 1-2.1 and substitute to read as follows: For alternate materials, methods, and design, see the General Administrative Rules (675 IAC 12-6-11).

(d) Amend the following definitions in subsection 1-3.1 to read as follows: APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

AUTHORITY HAVING JURISDICTION means the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the commission. For the purposes of Industrialized Building Systems (675 IAC 15), authority having jurisdiction means the state building commissioner.

LISTED. Equipment or materials included in a list published by an organization engaged in product evaluation that maintains periodic inspection of production of listed equipment or materials and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(e) Add the following definitions to subsection 1-3.1 as follows: NFPA 70, National Electrical Code means the Indiana Electrical Code (675 IAC 17).

TESTING LABORATORY means an independent nationally recognized testing laboratory or other organization listed in the General Administrative Rules (675 IAC 12-6-11).

TRAINED means one who has undergone the instructions necessary to design, install, and perform the maintenance and recharge service.

(f) Amend subsection 1-4.2.5 to read as follows: Clean agents shall not be used on fires involving the following materials:

- (1) Certain chemicals or mixtures of chemicals, such as cellulose, nitrate, and gunpowder, that are capable of rapid oxidation in the absence of air.
- (2) Reactive metals, such as lithium, sodium, potassium, magnesium, titanium, zirconium, uranium, and plutonium.
- (3) Metal hydrides.
- (4) Chemicals capable of undergoing autothermal decomposition, such as certain organic peroxides and hydrazine.

(g) Delete subsection 2-1.1.2 in its entirety without substitution.

(h) Amend subsection 2-1.4.3 to read as follows: The design pressure shall be suitable for the maximum pressure developed at one hundred thirty degrees Fahrenheit (130°F) (fifty-five degrees Celsius (55°C)) or at the maximum controlled temperature limit.

(i) Delete subsection 2-1.4.4 in its entirety without substitution.

(j) Amend subsection 2-2.1.3 to read as follows: Pipe identification shall not be painted over or removed.

(k) Amend subsection 2-2.3.2 to read as follows: Cast-iron fittings and Class 150 lb fittings shall not be used.

(l) Amend subsection 2-2.5.2 to read as follows: Approved corrosion-resistant materials or coatings shall be required in corrosive atmospheres.

(m) Amend subsection 2-3.1.2 to read as follows: Automatic detection and automatic actuation shall be used.

(n) Delete subsections 3-1.1, 3-1.2.1, 3-1.2.2, 3-1.2.3, 3-1.2.4, 3-1.2.5.2, 3-1.2.5.3, and 3-1.3 and substitute the following: Plans and specifications shall be filed as required by the General Administrative Rules (675 IAC 12).

(o) Amend subsection 3-2.1 to read as follows: System flow-calculations shall be performed using a calculation method listed. The system design shall be within the manufacturer's listed limitations.

EXCEPTION: Pre-engineered systems do not require a flow calculation where used within their listed limitations.

(p) Delete subsection 3-2.4 in its entirety without substitution.

(q) Amend subsection 3-3.2 to read as follows: The area of unclosable openings shall be kept to a minimum.

(r) Amend subsection 3-8.1.2.1 to read as follows: The agent discharge shall be completed as quickly as possible to suppress the fire and limit the formation of decomposition and combustion products. In no case shall the discharge time exceed ten (10) seconds.

EXCEPTION: For inert gases that do not form decomposition products, the discharge time may be extended to achieve the design concentration within one (1) minute.

(s) Amend subsection 4-1.1 by deleting "competent" and substituting "trained".

(t) Delete the last sentence of subsection 4-1.5 without substitution.

(u) Amend the last sentence of subsection 4-2.2 by deleting "competent" and substitute "trained".

(v) Amend subsection 4-7.1 to read as follows: Only listed equipment and devices shall be used in the systems. The completed system shall be reviewed and tested to determine that the system has been properly installed and will function as specified.

(w) Delete subsections 4-7.2.1, 4-7.2.2.1, and 4-7.2.2.2 in their entirety without substitution.

(x) Delete subsection 4-7.2.2.8 in its entirety without substitution.

(y) Delete subsection 4-7.2.4.9 in its entirety and substitute to read as follows: The detectors shall be installed in accordance with the manufacturers' installation instructions.

(z) Delete Chapter 5 in its entirety without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 13-1-28; filed Aug 15, 1997, 8:54 a.m.: 21 IR 103*)

Rule 2. Indiana Building Code (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Feb 15, 1989, 5:00 p.m.: 12 IR 1552, eff Apr 3, 1989)

Rule 2.1. Indiana Building Code, 1989 Edition (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1126, eff Jan 3, 1993)

Rule 2.2. Indiana Building Code, 1993 Edition (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2908)

Rule 2.3. 1998 Indiana Building Code

675 IAC 13-2.3-1 Adoption by reference

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 1. (a) That certain document being titled as the Uniform Building Code, Volumes 1, 2, and 3, 1997 edition, first printing, published by the International Conference of Building Officials, 5360 South Workman Mill Road, Whittier, California 90601, is hereby adopted by reference, as if fully set out in this rule, save and except those revisions in sections 3 through 262 of this rule.

(b) Revisions to chapters 16, 17, 18, 19, 21, 22, 23, 24, 25, 35 and revisions to appendix chapters 16, 18, 19, 21, 23 are applicable to the excerpts from chapters 16, 17, 18, 19, 21, 22, 23, 24, 25, 35 and excerpts from appendix chapters 16, 18, 19, 21, 23. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-1; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2823*)

675 IAC 13-2.3-2 Title; availability

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 2. (a) This rule shall be known as the 1998 Indiana Building Code and shall be published except for incorporated documents by the Indiana fire and building services department for general distribution and use under that title. Wherever the term “this code” is used within this rule, it shall mean the 1998 Indiana Building Code.

(b) This rule and documents incorporated therein are available from the Indiana Fire and Building Services Department, 402 West Washington Street, Room W243, Indianapolis, Indiana 46204. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-2; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2823*)

675 IAC 13-2.3-3 Chapter 1; administrative

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 3. Delete Chapter 1, Administration, and substitute to read as follows:

SECTION 101 - PURPOSE AND SCOPE

101.1 Purpose. The purpose of this code is to provide minimum standards to safeguard life or limb, property, and public welfare by regulating and controlling the design, construction, quality of materials, intended use, occupancy, and location of Class 1 structures.

101.2 Scope. The provisions of this code shall apply to the construction, addition, and alteration of any Class 1 structure. Wherever in this code reference is made to the appendix, the provisions in the appendix shall not apply unless specifically adopted. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-3; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2824*)

675 IAC 13-2.3-4 Section 201.1; general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 4. Delete the second paragraph of section 201.1 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-4; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2824*)

675 IAC 13-2.3-5 Section 202; definitions “A”

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 5. (a) Delete the definition [*sic.*] of “Approved” and substitute the following: APPROVED means, as to materials, equipment, design, and types of construction, acceptance by the building official by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, design, and types of construction are safe for their intended purpose.

(b) Add the following definitions to section 202 after the definition of Approved Agency:

APPROVED INSPECTION BUREAU OR AGENCY. See Approved Agency.

APPROVED INSPECTION AGENCY. See Approved Agency.

APPROVED INDEPENDENT INSPECTION AND TESTING AGENCY. See Approved Agency.

APPROVED TESTING AGENCY. See Approved Agency.

(c) Delete from section 202 the definitions of “Accreditation Body” and “Approved Fabricator”.

(d) Add the following definition to the end of section 202 to read as follows: AUTOMATIC SPRINKLER SYSTEM means an automatic fire-extinguishing system as defined in Chapter 9. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-5; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2824*)

675 IAC 13-2.3-6 Section 203; definitions “B”

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 6. (a) Add the definition of Bed and Breakfast Establishment in section 203 to read as follows:

BED AND BREAKFAST ESTABLISHMENT means an operator occupied residence that:

1. provides sleeping accommodations to the public for a fee;
2. has no more than fourteen (14) guest rooms;
3. provides breakfast to its guests as part of the fee; and
4. provides sleeping accommodations for no more than thirty (30) consecutive days to a particular guest.

The term does not include hotels, motels, boarding houses, or food service establishments. The operator may reside within the establishment or on contiguous property.

(b) Change the definition of Building Official in section 203 to read as follows: BUILDING OFFICIAL means the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the commission. For the purpose of Industrialized Building Systems (675 IAC 15), BUILDING OFFICIAL means the state building commissioner. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-6; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2824)*

675 IAC 13-2.3-7 Section 205; definitions “D”

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 25-4; IC 25-31; IC 36-7

Sec. 7. (a) Delete the definition for DANGEROUS BUILDINGS CODE in section 205.

(b) Add a definition for Design Professional in section 205 to read as follows: DESIGN PROFESSIONAL means a registered architect or professional engineer who is registered under IC 25-4 or IC 25-31. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-7; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2824)*

675 IAC 13-2.3-8 Section 206; definitions “E”

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 8. (a) Change the following definitions in section 206 to read as follows:

ELECTRICAL CODE means the Indiana Electrical Code (675 IAC 17).

ELEVATOR CODE means the Indiana Elevator Safety Code (675 IAC 21-3 through 675 IAC 21-7).

(b) Add a definition to read as follows: ENGINEER. See design professional. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-8; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2825)*

675 IAC 13-2.3-9 Section 207; definitions “F”

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 9. Change the following definitions in section 207 to read as follows:

FAMILY means an individual or two (2) or more persons related by blood or marriage and/or a group of ten (10) or less persons (excluding servants) who need not be related by blood or marriage living together in a single dwelling unit.

FIRE CODE means the Indiana Fire Code (675 IAC 22).

(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-9; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2825)

675 IAC 13-2.3-10 Section 209; definitions “H”

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 10. Change the definition of Heliport and Helistop in section 209 to read as follows:

HELIPORT is an area of land or water or a structural surface which is used, or intended for use, for the landing and take-offs, refueling, maintenance, repairs, or storage of helicopters, and any appurtenant areas which are used, or intended for use, for heliport buildings and other heliport facilities.

HELISTOP is an area of land or water or a structural surface which is used for the landing and take-off of helicopters.

(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-10; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2825)

675 IAC 13-2.3-11 Section 210; definitions “I”

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 11. Add a definition of Inspection Agency to the beginning of section 210 to read as follows: INSPECTION AGENCY. See Approved Agency. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-11; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2825*)

675 IAC 13-2.3-12 Section 213; definitions “L”

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 12. Change the definition of Liquid in section 213 to read as follows: LIQUID. See the Indiana Fire Code (675 IAC 22). (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-12; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2825*)

675 IAC 13-2.3-13 Section 214; definitions “M”

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 13. Change the definition of Mechanical Code in section 214 to read as follows: MECHANICAL CODE means the Indiana Mechanical Code (675 IAC 18). (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-13; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2825*)

675 IAC 13-2.3-14 Section 215; definitions “N”

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 14. Add a definition to section 215 to read as follows: NFPA means the National Fire Protection Association, Batterymarch Park, Quincy, Massachusetts 02265. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-14; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2825*)

675 IAC 13-2.3-15 Section 216; definitions “O”

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 15. Change the definition of Owner in section 216 to read as follows: OWNER means every person having control of a Class 1 structure. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-15; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2825*)

675 IAC 13-2.3-16 Section 217; definitions “P”

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 16. Change the definition of Plumbing Code in section 217 to read as follows: PLUMBING CODE means the Indiana Plumbing Code (675 IAC 16). (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-16; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2825*)

675 IAC 13-2.3-17 Section 220; definitions “S”

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-11-18; IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 17. (a) Add the following definitions to section 220 to read as follows:

SEASONALLY OCCUPIED DWELLINGS, for the purposes of IC 22-11-18, means hotels and motels open to the public for occupancy by guests only during any period of time between April 15 and October 15 each year.

SINGLE LEVEL DWELLINGS, for the purposes of IC 22-11-18, means all single level (no more than one (1) level above ground) hotels and motels that have no interior corridors, and whose individual rooms have exterior exits.

STRUCTURALLY INDEPENDENT means fire-resistive walls which have sufficient structural stability under fire conditions to allow the collapse of construction on either side of such walls without the collapse of the wall.

SERVICE PIT means a subfloor work area for the maintenance or repair of motor vehicles; such pits having parallel sides that are no more than forty-four (44) inches apart.

(b) Change the definition of Service Corridor in section 220 to read as follows: SERVICE CORRIDOR means a fully enclosed passage used for transporting materials and for purposes other than exiting.

(c) Delete the definition for "STRUCTURAL OBSERVATION" in section 220. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-17; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2826*)

675 IAC 13-2.3-18 Section 221; definitions "T"

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 18. Add the definition of Townhouse to section 221 to read as follows: TOWNHOUSE is a single family dwelling unit constructed in a row of attached units separated by property lines and with open space on at least two (2) sides, and is regulated by the Indiana One and Two Family Dwelling Code (675 IAC 14). (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-18; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2826*)

675 IAC 13-2.3-19 Section 222; definitions "U"

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 19. Add to the end of section 222 the following:

(a) UBC Standard 9-1 means NFPA 13, 675 IAC 13-1-8.

(b) UBC Standard 9-2 means NFPA 14, 675 IAC 13-1-9.

(c) UBC Standard 9-3 means NFPA 13R, 675 IAC 13-1-25.

(*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-19; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2826*)

675 IAC 13-2.3-20 Section 223; definitions "V"

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 20. Delete the definition in section 223 for "VALUE OR VALUATION". (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-20; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2826*)

675 IAC 13-2.3-20.1 Section 301; occupancy classification

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 20.1. Add a third paragraph to section 301 to read as follows: When a design release is required by the General administrative Rules (675 IAC 12-6), buildings shall be classified by the state building commissioner. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-20.1; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2826*)

675 IAC 13-2.3-21 Section 302.1; general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 21. Add an Exception 5 to section 302.1 to read as follows: 5. Except for Group H, Divisions 2, 3, and 4 Occupancies, an occupancy separation shall not be required between occupancies in the same building when the entire building is in compliance with the most stringent area and height limitations, fire protection system requirements in Chapter 9, and fire alarm system requirements for each occupancy housed therein. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-21; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2826)*

675 IAC 13-2.3-22 Section 302.4; fire ratings for occupancy separations

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 22. Add an Exception 5 to section 302.4 to read as follows: 5. Group S-3 occupancies and Group B occupancies need not be separated when the Group S-3 occupancy is used for the parking or storage of motor vehicles provided that no repair or fueling of the motor vehicle is done. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-22; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2826)*

675 IAC 13-2.3-23 Section 303.2.2; special provisions

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 23. Change the sixth paragraph of section 303.2.2 to read as follows: In gymnasiums having an area not greater than three thousand two hundred (3,200) square feet (two hundred ninety-seven square meters (297 m²)), one (1) inch (twenty-five millimeters (25 mm)) nominal thickness tight tongue-and-grooved boards or three-fourths (¾) inch (nineteen millimeters (19mm)) plywood wall covering may be used on the inner side of any required fire-resistive wall assembly. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-23; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2826)*

675 IAC 13-2.3-24 Sections 303.2.2.3, 303.9; Division 4 provisions, fire alarm systems

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 12-17.2-6-5; IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 24. (a) Delete the fifth paragraph of section 303.2.2.3.

(b) Change section 303.9 to read as follows: An approved fire alarm system shall be installed as set forth in the Fire Code in Group A, Divisions 1, 2, and 2.1 Occupancies, except as set forth at IC 12-17.2-6-5.

For amusement building alarm systems, see section 408.5.1. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-24; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2827)*

675 IAC 13-2.3-24.5 Section 303.5; light, ventilation, and sanitation

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 24.5. Delete, in section 303.5, "Section 2902.2" and substitute "Chapter 29". *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-24.5; filed Jul 29, 1999, 11:05 a.m.: 22 IR 3878)*

675 IAC 13-2.3-25 Section 304.2.2; special provisions

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 25. (a) Change the first sentence of section 304.2.2.1 to read as follows: Laboratories and vocational shops in buildings used for educational purposes, and similar areas containing hazardous materials, shall be separated from other portions of the building by not less than a one (1) hour fire-resistive occupancy separation.

(b) Change the second paragraph of section 304.2.2.1 to read as follows: Laboratories not classified as Group H having an area in excess of two hundred (200) square feet (eighteen and six-tenths square meters (18.6 m²)) shall have exit doors that swing

in the direction of travel.

(c) Add section 304.2.2.3 Alarms to the end of section 304.2.2 to read as follows: Fire alarms shall be installed as set forth in the fire code. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-25; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2827*)

675 IAC 13-2.3-26 Sections 305.1, 305.2.3; Group E occupancies defined, special provisions

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 12-17.2-5; IC 12-17.2-6-5; IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 26. (a) Change section 305.1, Division 3 to read as follows: Any building or portion thereof used for day-care purposes for more than six (6) persons.

EXCEPTIONS: 1. Class I or Class II child care homes licensed in accordance with IC 12-17.2-5.

2. Child care ministries registered under IC 12-17.2-6 (or successor statute) shall be classified as the occupancy classification that is most closely related to the primary use of the building.

(b) Change the *[sic.]* first sentence of Exception 3.2 of section 305.2.3 to read as follows: The entire story in which the day-care facility is located is equipped with an approved manual fire alarm and smoke-detection system except as set forth at IC 12-17.2-6-5. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-26; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2827*)

675 IAC 13-2.3-27 Sections 305.2.4 and 305.9; special hazards, fire alarm systems

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 12-17.2-6-5; IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 27. (a) Change the first sentence in section 305.2.4 to read as follows: Laboratories and vocational shops in buildings used for educational purposes and similar areas containing hazardous materials shall be separated from other portions of the building by not less than a one (1) hour fire-resistive occupancy separation.

(b) Change the first sentence of section 305.9 to read as follows: An approved fire alarm system shall be provided for Group E Occupancies with an occupant load of fifty (50) or more persons, except as set forth at IC 12-17.2-6-5. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-27; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2827; filed Jul 29, 1999, 11:05 a.m.: 22 IR 3878*)

675 IAC 13-2.3-28 Section 307.1.1, Division 1; Group H occupancies

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 28. Delete Exception number 1 to section 307.1.1, Division 1, item 1. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-28; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2827*)

675 IAC 13-2.3-29 Section 307.1.3; liquid use, dispensing and mixing rooms

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 29. Section 307.1.3, change item number 1 to read as follows: 1. Rooms in excess of five hundred (500) square feet (forty-six and five-tenths square meters (46.5 m²)) shall have at least one (1) exterior door meeting the requirements of section 1003.3.1.3. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-29; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2827*)

675 IAC 13-2.3-30 Section 307.1.4; liquid storage rooms

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 30. Section 307.1.4, change item 1 to read as follows: 1. Rooms in excess of five hundred (500) square feet (forty-six and five-tenths square meters (46.5 m²)) shall have at least one (1) exterior door meeting the requirements of section 1003.3.1.3. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-30; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2828*)

675 IAC 13-2.3-31 Sections 307.1.6, 307.9; requirements for report, and fire alarm systems

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 12-17.2-6-5; IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 31. (a) Delete section 307.1.6.

(b) Change the first sentence of section 307.9 to read as follows: An approved manual fire alarm system shall be provided in Group H Occupancies used for the manufacturing of organic coatings, except as set forth at IC 12-17.2-6-5. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-31; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2828)*

675 IAC 13-2.3-32 Section 307.10; explosion control

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 32. Section 307.10, delete in the third sentence of the second paragraph the words “and be designed by persons competent in such design”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-32; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2828)*

675 IAC 13-2.3-33 Section 307.11.4; service corridors

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 33. Delete the last paragraph of section 307.11.4 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-33; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2828)*

675 IAC 13-2.3-34 Section 307.11.6.1; general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 34. Add the word “approved” in section 307.11.6.1 between the words “with” and “nationally”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-34; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2828)*

675 IAC 13-2.3-35 Section 307.11.6.3; identification

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 35. Add the word “approved” in section 307.11.6.3 between the words “with” and “nationally”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-35; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2828)*

675 IAC 13-2.3-36 Section 308.1; Group I occupancies defined

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 36. Section 308.1, Division 2, delete the text of Division 2 section 308.1 and substitute the following: Division 2 Nursing homes for ambulatory patients, homes for children six (6) years of age or older (each accommodating more than ten (10) persons). *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-36; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2828)*

675 IAC 13-2.3-37 Sections 308.2.2.1 and 308.9; Group I, Division 1.1 smoke barriers, and fire alarm systems

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 12-17.2-6-5; IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 37. (a) Change the first sentence of the first paragraph of section 308.2.2.1 to read as follows: Floor levels of Group I, Division 1.1 Occupancies used by inpatients for sleeping or treatment, or having an occupant load of fifty (50) or more, shall be

divided into at least two (2) compartments by smoke barriers of not less than one-hour fire resistive construction.

(b) Change the second sentence of the first paragraph of section 308.2.2.1 to read as follows: The area within a smoke-control zone shall not exceed twenty-two thousand five hundred (22,500) square feet (two thousand ninety (2,090) meters squared) and any door in a smoke barrier shall not exceed two hundred (200) feet (seventy-six thousand two hundred (76,200) millimeters) in distance from any point within a smoke-control zone.

(c) Add a new paragraph after the first paragraph of section 308.2.2.1 to read as follows: Such smoke barriers shall form an effective membrane continuous from outside wall to outside wall, from a smoke barrier to a smoke barrier, from floor to floor or roof above, or a combination thereof, including continuity through all concealed spaces, such as above suspended ceilings, and interstitial structural and mechanical spaces. Transfer grills, louvers and similar openings shall not be used in these partitions.

(d) Add a new paragraph at the end of section 308.2.2.1 to read as follows: An approved damper designed to resist the passage of smoke shall be provided at each point a duct penetrates a smoke barrier. The damper shall close upon detection of smoke by an approved smoke detector located within the duct.

EXCEPTIONS: 1. In lieu of an approved smoke detector located within the duct, ducts which penetrate smoke barriers above required smoke-barrier doors are permitted to have the approved damper arranged to close upon detection of smoke by a local device designed to detect smoke on either side of the smoke-barrier door opening.

2. Dampers are not required where the openings in ducts are limited to a single smoke compartment and the ducts are of steel construction.

(e) Change the first sentence of section 308.9 to read as follows: An approved manual and automatic fire alarm system shall be provided for Group I Occupancies, except as set forth at IC 12-17.2-6-5. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-37; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2836; filed Jul 29, 1999, 11:05 a.m.: 22 IR 3879*)

675 IAC 13-2.3-38 Section 310.1; Group R occupancies defined

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 38. Change section 310.1 to read as follows:

Group R occupancies shall be:

Division 1. Hotels and apartment houses. Congregate residences (each accommodating eleven (11) or more persons).

Division 2. Bed and breakfast establishments.

Division 3. Lodging houses and dwellings in buildings of mixed occupancy having two (2) or less dwelling units.

Congregate residences (each accommodating ten (10) or less persons).

For occupancy separations see Table No. 3-B.

Townhouses and detached one (1) and two (2) family dwellings are regulated by the Indiana One and Two Family Dwelling Code, 675 IAC 14.

(*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-38; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2829*)

675 IAC 13-2.3-39 Section 310.9.1.1; smoke detectors, general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-11-18; IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 39. Change the text of section 310.9.1.1 to read as follows: Dwelling units, congregate residences and guest rooms in hotels, lodging houses, and bed and breakfast establishments that are used for sleeping purposes shall be provided with smoke detectors. Detectors shall be installed in accordance with the manufacturer's instructions.

EXCEPTION: Totally sprinklered buildings complying with NFPA 13, 675 IAC 13-1-8 or NFPA 13R, 675 IAC 13-1-25. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-39; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2829*)

675 IAC 13-2.3-40 Section 310.9.1.2; smoke detectors, additions, alterations, or repairs to Group R occupancies

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 40. Change section 310.9.1.2 to read as follows: When one (1) or more sleeping rooms are added or created in existing

Group R occupancies, smoke detectors shall be installed in accordance with sections 310.9.1.3, 310.9.1.4, and 310.9.1.5 as applicable. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-40; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2829*)

675 IAC 13-2.3-41 Section 310.9.1.3; power source

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 41. Add a paragraph to the end of section 310.9.1.3 to read as follows: For the purposes of this section, PERMANENT means: cannot be disconnected without the use of a tool or tools. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-41; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2829*)

675 IAC 13-2.3-42 Section 310.9.1.5; location in efficiency dwelling units, congregate residences, and hotels

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-11-18; IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 42. Change the text and the title of section 310.9.1.5 to read as follows: Location in congregate residences, hotels, motels, apartments, and bed and breakfast establishments. In hotel suites and in hotel or motel sleeping rooms, detectors shall be located on the ceiling or wall of the main room of each sleeping room. When sleeping rooms are on an upper level, the detector shall be placed at the ceiling of the upper level in close proximity to the stairway. When actuated, the detector shall sound an alarm audible within the sleeping area of the hotel suite or sleeping room in which it is located.

All apartments, congregate residences, and bed and breakfast establishments must have at least one (1) functional smoke detector installed as follows:

1. According to the manufacturer's instructions.
2. Outside of each sleeping area in the immediate vicinity of the bedrooms.
3. On the ceiling or a wall not less than four (4) inches or more than twelve (12) inches from the ceiling. A smoke detector may not be recessed into a ceiling.
4. On each story, including basements, cellars, and habitable attics.

Unless there is a door between levels in buildings with split levels, a smoke detector must be installed only on the upper level if the lower level is less than one (1) full story below the upper level. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-42; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2829*)

675 IAC 13-2.3-43 Sections 310.9.1.6, 310.10; sprinkler and standpipe systems, and fire alarms

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 12-17.2-6-5; IC 22-11-18; IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 43. (a) Add a section 310.9.1.6 Hotel and motel corridors, to read as follows: 310.9.1.6 Hotel and motel corridors. In hotel and motels which are not fully sprinklered in accordance with Chapter 9 of this code, smoke detectors shall be installed in all interior corridors adjacent to sleeping rooms and shall be spaced no further apart than thirty (30) feet on center, or more than fifteen (15) feet from any wall. Such detectors shall be wired in a manner that activates all the detectors in that corridor and an audible and visible alarm at the registration desk when one (1) is activated.

EXCEPTION: All hotels and motels with twelve (12) sleeping rooms or less and containing no interior corridors, all single level dwellings and all seasonally occupied dwellings are exempt from the requirements above, provided that in all such units a detector is installed in each sleeping room. The detector may be battery operated. If a battery operated detector is installed, it must contain a tamper resistant cover to protect the batteries.

(b) Change section 310.10 by adding a third exception to read as follows: 3. As set forth at IC 12-17.2-6-5. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-43; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2830*)

675 IAC 13-2.3-44 Section 311.9.4; area and height

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 44. Change the third paragraph of section 311.9.4 to read as follows: The clear height of a parking tier shall be not less than that specified in subsection 311.2.3.3. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-44; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2830)*

675 IAC 13-2.3-45 Section 311.10.5; federal aviation administration approval

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 45. Delete section 311.10.5 in its entirety. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-45; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2830)*

675 IAC 13-2.3-46 Section 312.1; Group U occupancies defined

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 46. Change section 312.1 to read as follows: 312.1 Group U Occupancies Defined. Group U Occupancies shall include buildings or structures, or portions thereof, and shall be:

Division 1. Private garages, carports, sheds, and agricultural buildings that are Class 1 structures.

Division 2. Class 1 structures that are tanks and towers.

For occupancy separations, see Table 3-B.

(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-46; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2830)

675 IAC 13-2.3-47 Section 312.6; agricultural buildings

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 47. Delete the text of section 312.6 and substitute to read as follows: Agricultural buildings that are not Class 1 structures may be regulated by local ordinance. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-47; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2830)*

675 IAC 13-2.3-48 Table 3-A; description of occupancies by group and division

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 48. Change Table 3-A as follows: (a) Change the description of occupancy for I-2 to read as follows: Nursing homes for ambulatory patients, homes for children six (6) years of age or over (each accommodating eleven (11) or more persons).

(b) Change the description of occupancy for R-1 to read as follows: Hotels and apartment houses. Congregate residences (each accommodating eleven (11) or more persons).

(c) Change in the group and division column "R-3" to "R-2 and R-3" and add the description of occupancy for R-2 to read as follows: Bed and Breakfast Establishments.

(d) Change the description of occupancy for R-3 to read as follows: Lodging houses and dwellings in buildings of mixed occupancy having two (2) or less dwelling units. Congregate residences (each accommodating ten (10) or less persons).

(e) Change the description of occupancy for U-1 to read as follows: Private garages, carports, sheds, and agricultural buildings that are Class 1 structures.

(f) Change the description of occupancy for U-2 to read as follows: Class 1 structures that are tanks and towers. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-48; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2830)*

675 IAC 13-2.3-49 Table 3-B; required separation in buildings of mixed occupancy¹ (hours)

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 49. Table 3-B, change in the Group and Division column “R-3” to “R-2 and R-3”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-49; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2831*)

675 IAC 13-2.3-50 Table 3-D; exempt amounts of hazardous materials presenting a physical hazard

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 50. (a) Change footnote 13 of Table 3-D to read as follows: ¹³Quantities of black sporting powder may be increased to five (5) pounds and smokeless powder may be increased to twenty (20) pounds when stored in magazines constructed as specified in the fire code.

(b) Change footnote 16 of Table 3-D to read as follows: ¹⁶A maximum of two hundred (200) pounds of solid or twenty (20) gallons of liquid Class 3 oxidizers may be permitted in Group I, U, and R occupancies when such materials are necessary for maintenance purposes or operation of equipment and such materials are stored in cabinets in non-sprinklered buildings. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-50; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2831*)

675 IAC 13-2.3-51 Section 402.2; atria, smoke control system

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 51. Change in section 402.2 in the last line “905.9” to read “905”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-51; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2831*)

675 IAC 13-2.3-52 Section 402.7; standby power

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 52. Change at the end of section 402.7 “Section 905.8” to read “Section 403.8”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-52; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2831*)

675 IAC 13-2.3-53 Sections 402.9, 403.3; acceptance of smoke control system, smoke detection

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 12-17.2-6-5; IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 53. (a) Change the title and text of section 402.9 to read as follows: Testing of the Smoke Control System. Testing shall be as required by section 905.

(b) Change the first sentence of section 403.3 to read as follows: Smoke detectors shall be provided in accordance with this section, except as set forth at IC 12-17.2-6-5. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-53; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2831*)

675 IAC 13-2.3-54 Sections 403.5.1, 403.5.2; general, emergency voice alarm signaling system

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 12-17.2-6-5; IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 54. (a) Change the first sentence of section 403.5.1 to read as follows: The fire alarm, emergency voice/alarm signaling system, and fire department communication systems shall be designed and installed as set forth in this code and the fire code, except as set forth at IC 12-17.2-6-5.

(b) Change item 8 of section 403.5.2 to read as follows: 8. Areas of rescue assistance. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-54; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2831*)

675 IAC 13-2.3-55 Section 403.6.1; central control station, general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 55. Change the second sentence of section 403.6.1 to read as follows: The location of the central control station shall be determined after consultation with the servicing fire department or as required by local ordinance. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-55; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2831)*

675 IAC 13-2.3-56 Section 403.7; elevators

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 56. Section 403.7, item 2, change the third sentence to read as follows: If the main floor detector or a transfer floor detector is activated, all cars serving the main floor or transfer floor shall return to a location that is determined after consultation with the servicing fire department or as required by local ordinance and be under manual control only. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-56; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2831)*

675 IAC 13-2.3-57 Section 404.3.1; automatic sprinkler systems

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 57. Change section 404.3.1, item 2 to read as follows: 2. The automatic sprinkler system shall be complete and operative throughout all spaces in the covered mall building prior to occupancy of the tenant spaces. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-57; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2831)*

675 IAC 13-2.3-58 Section 404.3.8; lease plan

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 58. Delete the text of section 404.3.8. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-58; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2832)*

675 IAC 13-2.3-59 Section 405.1.4; stages and platforms

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 59. Add section 405.1.4 after section 405.1.3 to read as follows: 405.1.4 Flame-Retardant requirements. Curtains, drops, or combustible scenery of cloth, film, dry vegetation, and similar materials shall meet the requirements of the Fire Code. Foam plastics shall have a maximum heat release rate of one hundred (100) kilowatts, in accordance with Article 90, Standard u.1.16 of the Fire Code. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-59; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2832)*

675 IAC 13-2.3-60 Section 405.3.6; flame-retardant requirements

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 60. Change the first sentence of section 405.3.6 to read as follows: Curtains, drops, or combustible scenery of cloth, film, dry vegetation, and similar materials shall meet the requirements of the Fire Code. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-60; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2832)*

675 IAC 13-2.3-61 Section 408.3; means of egress and exit signs

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 61. Change section 408.3 to read as follows: Means of egress and exit signs for amusement buildings shall comply with the requirements specified in Chapter 10. For means of egress identification, see Section 1003.2.8. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-61; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2832)*

675 IAC 13-2.3-62 Section 408.5.1; alarm systems, general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 62. Delete the exception to section 408.5.1. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-62; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2832)*

675 IAC 13-2.3-63 Section 409.8; pedestrian walkways over public streets

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 63. Delete the title and text of section 409.8. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-63; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2832)*

675 IAC 13-2.3-64 Section 417; barriers for swimming pools

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 64. Delete the text of section 417 and substitute to read as follows: The requirements for barriers for swimming pools are stated in the Indiana Swimming Pool Code (675 IAC 20). *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-64; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2832)*

675 IAC 13-2.3-65 Section 503.1; location on property, general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 65. Add a new paragraph to the end of section 503.1 to read as follows: Open space, setbacks, and yard requirements of zoning ordinances shall take precedence, provided they are not less restrictive than this section. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-65; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2832)*

675 IAC 13-2.3-66 Section 504.3; allowable floor area of mixed occupancies

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 66. Add Exception 3 to section 504.3 to read as follows: 3. The area of Group A Occupancies accessory to a Group E Occupancy in a Type II-N or III-N building constructed in accordance with the unlimited area provisions of section 505.2 shall not be limited in area. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-66; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2832)*

675 IAC 13-2.3-67 Section 504.6.4; terminating

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 67. Change section 504.6.4 as follows: (a) Change the first sentence of section 504.6.4 to read as follows: Area separation

walls shall be structurally independent and shall extend vertically from the foundation to a point at least thirty (30) inches (seven hundred sixty-two millimeters (762 mm)) above the roof.

(b) Add Exceptions 4 and 5 to section 504.6.4 to read as follows:

4. Two (2) hour area separation walls may terminate at the underside of roof sheathing, deck or slab, provided:

4.1 The wall is properly firestopped at the sheathing, deck or slab.

4.2 The roof sheathing or deck is constructed of, or protected by approved noncombustible materials or fire-retardant wood for a distance of four (4) feet on either side of the wall.

4.3 The entire building is provided with not less than Class B roofing.

4.4 Openings in the roof shall not be located within five (5) feet of the area separation wall.

5. Four (4) hour area separation walls may terminate at the underside of roof sheathing, deck or slab, provided:

5.1 The wall is properly firestopped at the sheathing, deck or slab.

5.2 The roof sheathing or deck is constructed of, or protected by, approved noncombustible materials for a distance of not less than four (4) feet on either side of the wall.

5.3 The entire building is provided with not less than Class B roofing.

5.4 Openings in the roof shall not be located within five (5) feet of the area separation wall.

(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-67; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2832)

675 IAC 13-2.3-68 Section 505.1; general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 68. Add an exception to section 505.1 to read as follows: EXCEPTION: For buildings of Group B, E, F-1, F-2, M, S-1, S-2, S-3, S-4, and S-5 Occupancies, an area separation wall having not less than a four (4) hour fire-resistive rating conforming to section 504.6 shall be allowed as an alternative to the side yard requirements of section 505. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-68; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2833)*

675 IAC 13-2.3-69 Sections 505.2, 505.3; unlimited area, automatic sprinkler systems

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 69. (a) Change the first paragraph of section 505.2 to read as follows: The area of any one (1) or two (2) story building of Groups B; E; F; Division 1 or 2; M; S, Division 1, 2, 3, 4 or 5; and H, Division 5 Occupancies shall not be limited if the building is provided with an approved automatic sprinkler system throughout as specified in Chapter 9, and entirely surrounded and adjoined by public ways or yards not less than sixty (60) feet (eighteen thousand two hundred eighty-eight millimeters (18,288 mm)) in width.

(b) Add item 5 to the end of section 505.3 to read as follows: 5. NFPA 13R systems. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-69; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2833)*

675 IAC 13-2.3-70 Section 506; maximum height of buildings and increases

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 70. (a) Add Exception 3 to the first paragraph of section 506 to read as follows: 3. The height in feet of buildings and structures of Type II one (1) hour and Type II-N construction used for storage, processing, or handling of bulk products, power generating plants or building structures of similar use may exceed that specified in Table No. 5-B by sixty percent (60%).

(b) Add item 6 to the end of section 506 to read as follows: 6. NFPA 13R systems. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-70; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2833)*

675 IAC 13-2.3-71 Section 506; maximum height of buildings and increases

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 71. Add Exception 4 to the first paragraph of section 506 to read as follows: 4. Group E Occupancies in a Type II-N or III-N building constructed in accordance with the unlimited area provisions of Section 505.2 shall be permitted to be a maximum of two (2) stories in height. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-71; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2833)*

675 IAC 13-2.3-72 Section 508; fire-resistive substitution

Authority: IC 22-13-2-2; IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 72. Change section 508, item 6 to read as follows: 6. Corridors in Group A Divisions 1, 2, and 4, and Groups H and R occupancies (Sections 1004.3.4.3.1 and 1004.3.4.3.2). *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-72; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2833)*

675 IAC 13-2.3-73 Section 509.3; openings

Authority: IC 22-13-2-2; IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 73. Change in Exception 1 in section 509.3 “12 inches (305 mm)” to “twenty-one (21) inches”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-73; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2833)*

675 IAC 13-2.3-74 Table 5-A; exterior wall and opening protection on location on property for all construction types^{1,2,3}

Authority: IC 22-13-2-2; IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 74. Change the occupancy group column “R-3” to read “R-2 and R-3”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-74; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2834)*

675 IAC 13-2.3-75 Table 5-B; basic allowable building heights and basic allowable floor area for buildings one-story in height

Authority: IC 22-13-2-2; IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 75. Change the R-3 line in Table No. 5-B to read as follows:

TABLE 5-B

R-2, R-3	H A	U	3	3	3	3	3	3	3	3
UNLIMITED										

(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-75; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2834)

675 IAC 13-2.3-75.5 Table 6-A

Authority: IC 22-13-2-2; IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 75.5. Add footnote number 4 to TABLE 6-A to read as follows: ⁴Buildings whose sole use is bulk grain storage are exempt from the numerical fire resistance values as stated in TABLE 6-A. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-75.5; filed Jul 29, 1999, 11:05 a.m.: 22 IR 3879)*

675 IAC 13-2.3-76 Section 703.2; qualification by testing

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 76. Delete the second paragraph of section 703.2 and substitute to read as follows: Fire-resistive assemblies tested under U.B.C. Standard 7-1 shall not be considered to be restrained unless the construction qualifies for a restrained classification in accordance with U.B.C. Standard 7-1, as documented by the design professional. The documentation shall be submitted to the building official. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-76; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2834*)

675 IAC 13-2.3-77 Section 707.1; insulation, general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 77. Change the second sentence of section 707.1 to read as follows: Duct insulation, insulation in plenums, and steam and hot water boiler piping insulation and coverings shall conform to the requirements of this code, the Mechanical Code (675 IAC 18), and the Energy Conservation Code (675 IAC 19). (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-77; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2834*)

675 IAC 13-2.3-78 Section 709.4.1; parapets, general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 78. (a) Change item 5 of the exception to section 709.4.1 to read as follows:

5. One (1) and two (2) hour fire-resistive exterior walls may terminate at the underside of the roof sheathing, deck, or slab, provided:

5.1 The wall is properly firestopped at the sheathing, deck, or slab.

5.2 The roof sheathing or deck is constructed of or protected by approved noncombustible materials, or fire-retardant wood, for a distance of four (4) feet on the building side of the wall and on the entire eave, if any.

5.3 The entire building is provided with not less than Class B roofing.

5.4 Openings in the roof shall not be located within five (5) feet of the exterior wall.

(b) Add item 6 to the exception to section 709.4.1 to read as follows:

6. Three (3) and four (4) hour fire-resistive exterior walls may terminate at the underside of the roof sheathing, deck, or slab, provided:

6.1 The wall is properly firestopped at the sheathing, deck, or slab.

6.2 The roof sheathing or deck is constructed of or protected by approved noncombustible materials for a distance of not less than five (5) feet on the building side of the wall and on the entire eave, if any.

6.3 The entire building is provided with not less than Class B roofing.

6.4 Openings in the roof shall not be located within five (5) feet of the exterior wall.

(*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-78; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2834*)

675 IAC 13-2.3-79 Section 709.5; nonsymmetrical wall construction

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 79. Add an exception to section 709.5 to read as follows: EXCEPTION: Exterior walls of Group R occupancies of one (1) hour fire-rated construction, when separated from other buildings and property lines by five (5) feet or more, may be rated for exposure from the inside only. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-79; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2834*)

675 IAC 13-2.3-80 Section 710.5; wiring in plenums

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 80. Change section 710.5 to read as follows: Wiring in plenums shall comply with the Indiana Mechanical Code (675 IAC 18) and the Indiana Electrical Code (675 IAC 17). *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-80; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2834)*

675 IAC 13-2.3-81 Section 713.2; definitions

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 81. Delete in section 713.2 the last sentence of item 2 in the definition of “Fire Assembly, Automatic Closing”, the words “approved nationally recognized standards” and substitute “the Fire Code”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-81; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2835)*

675 IAC 13-2.3-82 Section 713.3; identification of fire doors, fire windows, and fire dampers

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 82. Delete the last sentence in the first paragraph of section 713.3. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-82; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2835)*

675 IAC 13-2.3-83 Section 713.10; smoke dampers

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 83. Change in item 6 of section 713.10 the word “refuge” to “rescue assistance”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-83; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2835)*

675 IAC 13-2.3-84 Section 713.11; fire dampers

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 84. Change in item 7 of section 713.11 the word “refuge” to “rescue assistance”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-84; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2835)*

675 IAC 13-2.3-85 Section 713.13; signs

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 85. Delete in section 713.13 the words “When required by the building official”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-85; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2835)*

675 IAC 13-2.3-86 Section 801.1; general, scope

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 86. Add a new paragraph to the end of section 801.1 to read as follows: For floor finishes see the Fire Code (675 IAC 22). *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-86; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2835)*

675 IAC 13-2.3-87 Section 808; stairway finish

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 87. Add a new section 808 to the end of Chapter 8 to read as follows: Section 808 Stairway Finish. For stairway floor or tread finish requirements see Chapter 6 of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-87; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2835*)

675 IAC 13-2.3-88 Section 902; standards of quality

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 88. Change the first paragraph of section 902 to read as follows: Fire-extinguishing systems, including automatic sprinkler systems, Class I, Class II, and Class III standpipe systems, special automatic extinguishing systems, smoke-control systems, and smoke and heat vents shall be installed in accordance with the rules of the Commission and shall be subject to such periodic tests as may be required by the Fire Code. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-88; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2835*)

675 IAC 13-2.3-89 Section 904.1.1; installation requirements general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 89. Change the second paragraph of section 904.1.1 by deleting the words “as approved by the fire department” and substituting “fire hose threads that are compatible with the equipment used by the servicing fire department”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-89; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2835*)

675 IAC 13-2.3-90 Section 904.1.1; general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 90. Change the third paragraph of section 904.1.1 to read as follows: The servicing fire department shall be consulted before placing the fire department hose connections at specific locations or the connections shall be placed as required by local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-90; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2835*)

675 IAC 13-2.3-91 Section 904.1.2; standards

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 91. Delete section 904.1.2 and substitute to read as follows: Fire-extinguishing systems shall comply with NFPA 11, 675 IAC 13-1-4; NFPA 12, 675 IAC 13-1-5; NFPA 13, 675 IAC 13-1-8; NFPA 13R, 675 IAC 13-1-25; NFPA 15, 675 IAC 22-1-13 [675 IAC 22-1-13 was repealed filed Aug 28, 1998, 5:02 p.m.: 22 IR 124.]; NFPA 17, 675 IAC 13-1-9.5; NFPA 17A, 675 IAC 13-1-9.6; NFPA 231, 675 IAC 22-2.2-19; NFPA 231C, 675 IAC 22-2.2-20, and NFPA 2001, 675 IAC 13-1-28 as applicable. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-91; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2835*)

675 IAC 13-2.3-92 Section 904.1.3; modifications

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 92. Delete the text of section 904.1.3. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-92; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2836*)

675 IAC 13-2.3-93 Section 904.2.2; all occupancies except Group R, Division 3 and Group U occupancies

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 93. Change the title and first sentence, up to the colon, of section 904.2.2 to read as follows: "904.2.2 All occupancies except Group R, Divisions 2 and 3, Group U, and certain Group I occupancies. Except for Group R, Divisions 2 and 3, Group U occupancies, and those Group I occupancies as excepted in section 904.2.6, an automatic sprinkler system shall be installed." (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-93; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2836; filed Jul 29, 1999, 11:05 a.m.: 22 IR 3879*)

675 IAC 13-2.3-94 Section 904.2.6.3; Group H, Division 6 occupancies

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 94. Delete the text of section 904.2.6.3 and substitute the following: Group H, Division 6. An automatic fire-extinguishing system shall be installed throughout buildings containing Group H, Division 6 occupancies. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-94; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2836*)

675 IAC 13-2.3-95 Section 904.2.7; Group I occupancies

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 95. Change section 904.2.7 as follows: (a) Change the last sentence of the exception to section 904.2.7, to read as follows: Sprinkler heads in such systems shall be equipped with fusible elements or the system shall be designed as required for deluge systems in NFPA 13 (675 IAC 13-1-8).

(b) In section 904.2.7, number the existing Exception 1 and add a new Exception 2 as follows: 2. In a living unit of a licensed child care institution or children's home in which less than sixteen (16) children reside, each of whom is:

1. ambulatory; and

2. over six (6) years of age.

(*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-95; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2836*)

675 IAC 13-2.3-96 Section 904.3.1; sprinkler system monitoring and alarms, where required

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 96. Change the last sentence of section 904.3.1 to read as follows: Valve supervision and water-flow alarms, and trouble signals shall be distinctly different, and shall be automatically transmitted to a constantly attended central station, remote station, proprietary supervising station, or sound an audible signal at a constantly attended location. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-96; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2836*)

675 IAC 13-2.3-97 Section 904.3.2; alarms

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 97. Change section 904.3.2 as follows: (a) Delete in the first sentence of section 904.3.2 the words "in an approved location".

(b) Delete in the second sentence of section 904.3.2 the word "approved".

(c) Delete in the second sentence of section 904.3.2 the words "U.B.C. Standard 9-1" and substitute "NFPA 13 (675 IAC 13-1-8)". (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-97; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2836*)

675 IAC 13-2.3-98 Section 904.4; permissible sprinkler omissions

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 98. Change section 904.4 as follows: (a) Change the first sentence to read as follows: Sprinklers may be omitted in rooms or areas as follows:

(b) Add item 6 to read as follows: 6. elevator equipment rooms and hoistways used exclusively for the operation of elevators and which are separated from the remainder of the building by two (2) hour fire-resistive construction. Penetrations between machine rooms and hoistways necessary for the safe operation of an elevator and vents required by section 3004 of this code need not be fire-rated. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-98; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2836*)

675 IAC 13-2.3-99 Section 904.5.3; location of Class I standpipes

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 99. Change the first sentence of section 904.5.3 to read as follows: Class I standpipe outlet connections shall be as required by NFPA 14 (675 IAC 13-1-9). (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-99; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2837*)

675 IAC 13-2.3-100 Section 904.7; basement pipe inlets

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 100. Delete the text of section 904.7 and substitute to read as follows: Basement pipe inlet requirements may be enforced where adopted by local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-100; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2837*)

675 IAC 13-2.3-101 Section 905; smoke control

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 101. Delete section 905 and substitute to read as follows:

905 Smoke Control; Scope and Purpose. This section applies to smoke-control systems when they are required by other provisions of this code. The purpose of this section is to establish minimum requirements for smoke-control systems which are intended to provide a tenable environment for the evacuation or relocation of occupants. These provisions are not intended for the preservation of contents or for assistance in fire-suppression or overhaul activities. Smoke-control systems need not comply with the Mechanical Code (675 IAC 18) unless their normal use would otherwise require compliance. Nothing within these requirements is intended to apply when smoke control is not otherwise required by this code. Smoke-control systems are not a substitute for sprinkler protection.

905.1 Atria Smoke Control Systems.

905.1.1 General. A mechanically operated air-handling system shall be installed that will exhaust smoke either entering or developed within the atrium.

905.1.2 Exhaust Openings. Exhaust openings shall be located in the ceiling or in a smoke trap area immediately adjacent to the ceiling of the atrium. The lowest level of the exhaust openings shall be located above the top of the highest portion of door openings into the atrium.

905.1.3 Supply Openings. Supply openings sized to provide a minimum of fifty percent (50%) of the exhaust volume shall be located at the lowest level of the atrium. When the height of the atrium is fifty-five (55) feet or less, supply air may be introduced by gravity, provided smoke control is accomplished. When the height of the atrium is more than fifty-five (55) feet, supply air shall be introduced mechanically from the floor of the atrium and be directed vertically toward the exhaust outlets. In atria over six (6) stories in height or where tenant spaces above the second story are open to the atrium, supplemental supply air may be introduced at upper levels.

905.1.4 Automatic Operation. The smoke-control system for the atrium shall operate automatically upon the actuation of the

automatic sprinkler system within the atrium or areas open to the atrium. The smoke-control system for the atrium shall also operate automatically upon the activation of two (2) or more smoke detectors required by section 905.1. Actuation of the smoke-control system shall follow immediately after the actuation of the second smoke detector. When projected beam-type smoke detection is used in lieu of open area smoke-detection devices, the smoke-control system shall operate upon actuation of any one (1) beam detector.

905.1.5 Manual Operation. The smoke-control system shall also be manually operable by controls designed for fire department use. The smoke-control system may be separate or integrated with other air-handling systems. When the smoke-control mode is actuated, air-handling systems which would interfere with the smoke-control system shall be automatically shut down.

905.1.6 Exhaust Quantities. The atrium smoke-control system shall exhaust not less than the following quantities of air:

905.1.6.1 For atria having a volume of not more than six hundred thousand (600,000) cubic feet, including the volume of any levels not physically separated from the atrium, not less than six (6) air changes per hour or less than forty thousand (40,000) cubic feet per minute (cfm). A lesser cfm is acceptable if it can be shown by test that smoke will not migrate beyond the perimeter of the atrium.

905.1.6.2 For atria having a volume of more than six hundred thousand (600,000) cubic feet, including the volume of any levels not physically separated from the atrium, not less than four (4) air changes per hour.

905.1.7 Smoke Detector Location. Smoke detectors which will automatically operate the atrium smoke-control system shall be accessible for maintenance, testing, and servicing and shall be installed in the following locations:

905.1.7.1 When integral-type detectors are used they shall be installed:

1. At the atrium ceiling, spaced in accordance with their listing.
2. On the underside of projections into the atrium, spaced in accordance with their listing.
3. Around the perimeter of the atrium opening on all floors open to the atrium. These detectors shall be spaced no more than thirty (30) feet on center and shall be located within fifteen (15) feet of the atrium opening.

905.1.7.2 When projected beam-type smoke detection is used, it shall be installed and spaced in accordance with its listing.

905.1.8 Testing of the Smoke Control System. Before occupancy, the smoke control systems shall be tested and shall show compliance with the requirements of this section.

905.2 Section 905.2 applies to all Group B Office Buildings and Group R, Division 1 Occupancies, each having floors used for human occupancy located more than seventy-five (75) feet above the lowest level of fire department access.

905.2.1 Smoke Control. Natural or mechanical ventilation for the removal of products of combustion shall be provided in every story and shall consist of one (1) of the following:

Easily identifiable, manually operable windows or panels shall be distributed around the perimeter of the building at not more than fifty (50) foot intervals. The area of operable windows or panels shall not be less than twenty (20) square feet per fifty (50) linear feet of perimeter.

EXCEPTIONS: 1. In Group R, Division 1 hotel occupancies, each guest room or suite having an exterior wall may be provided with two (2) square feet of venting area in lieu of the area specified above.

2. Windows may be of fixed tempered glass provided that no coating or film is applied which will modify the natural breaking characteristics of the glass.

When a complete automatic sprinkler system is installed, the mechanical air-handling equipment may be designed to accomplish smoke removal. Under fire conditions, the return and exhaust air shall be moved directly to the outside without recirculation to other sections of the building. The air-handling system shall provide a minimum of one (1) exhaust air change each ten (10) minutes for the area involved.

Any other design which will produce equivalent results.

905.3 Section 905.3 applies to all covered mall buildings.

905.3.1 Required. A mechanically operated air-handling system shall be installed in covered mall buildings which will restrict the movement of smoke to the general area of fire origin and maintain the exiting system in a condition that is safe for exiting.

905.3.2 General. The smoke-control system shall be connected to both the sprinkler system and the smoke detector system and shall automatically operate when either is actuated. The smoke-control system shall also be capable of manual operation. The smoke-control system shall be as follows:

905.3.2.1 Smoke detectors shall be provided as follows:

A minimum of one (1) area-type smoke detector in each tenant space having an opening to the mall. Such detector shall be located at each opening to the mall.

Area-type smoke detectors or projected beam detectors shall be installed to monitor the mall area that can contain combustible

loading such as kiosks or displays. Such installations shall be engineered to distinguish a fire in the mall from a fire in the tenant space.

905.3.2.2 The smoke-control equipment for the mall shall be separate from that serving tenant spaces.

905.3.2.3 The covered mall building shall be compartmented into smoke-control zones. Smoke-control zones shall be separated from each other by construction having a fire-resistive time period of not less than one (1) hour. Walls between tenant spaces used to separate smoke-control zones shall extend from the floor to the underside of the floor or roof above.

EXCEPTION: Tenant storefront between the mall and a tenant space.

905.3.2.4 A smoke barrier shall be provided separating the tenant ceiling space from the mall ceiling space.

905.3.2.5 A smoke-control zone shall coincide with the area of coverage of a single sprinkler supply. Within that sprinkler zone there may be one (1) or more air-moving systems but no single smoke-control zone shall be larger than the sprinkler area.

905.3.2.6 When a fire occurs within a tenant sprinkler zone, that zone is to go to one hundred percent (100%) exhaust and the supply air to that zone is to be shut down. All adjoining tenant smoke-control zones are to go into normal operation. The mall shall go to one hundred percent (100%) fresh air supply without exhaust or recirculation.

905.3.2.7 When a fire occurs within the mall, the mall smoke-control equipment shall go to one hundred percent (100%) exhaust and the adjoining tenant spaces shall go into normal operation.

905.3.2.8 The covered mall building smoke-control equipment shall be sized to provide a minimum of six (6) air changes per hour.

905.3.2.9 Mall exhaust inlets shall not be less than six (6) feet above the walking surface for each pedestrian level.

905.3.2.10 During those hours when the building air-conditioning systems are not operating, smoke detector or sprinkler systems shall be designed so the activation of either will transmit an alarm as required in section 404.3.1, item 1, and shall activate the smoke-control system.

905.3.3 Testing of the Smoke Control System. Before occupancy, smoke control systems shall be tested and shall show compliance with the requirements of this section.

905.4 Standby Power. The smoke-control system shall be required to have standby power supplied in accordance with the Indiana Electrical Code (675 IAC 17). The standby power source and its transfer switches shall be in an exterior room or a room separate from the normal power transformers and switchgear and shall be enclosed in a room of not less than one (1) hour fire-resistive construction, ventilated directly to the exterior. Power distribution from the two (2) sources shall be by independent routes. Transfer to full standby power shall be automatic and within sixty (60) seconds of failure of the primary power. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-101; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2837*)

675 IAC 13-2.3-102 Section 906.1; smoke and heat venting, when required

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 102. Change section 906.1 as follows: (a) Add Exception 3 to read as follows: 3. Buildings equipped with an engineered mechanical smoke removal system and an automatic fire-extinguishing system throughout.

(b) Add an Exception 4 to read as follows: 4. Buildings using the design curves in NFPA 13 (675 IAC 13-1-8), for the design of rack storage sprinkler systems in a building that is equipped with an engineered mechanical smoke removal system and an automatic fire-extinguishing system throughout.

(c) Add an Exception 5 to read as follows: 5. Buildings equipped with an early suppression fast-response sprinkler system.

(d) Add a paragraph at the end of the exceptions to read as follows: A fire department control panel for the engineered mechanical smoke removal system shall be located such that it is readily accessible to and usable by the servicing fire department. Prior to the design or installation of said panel, the servicing fire department shall be consulted on the location of the panel or the location shall be as required by local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-102; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2839; filed Nov 14, 2001, 4:55 p.m.: 25 IR 1175*)

675 IAC 13-2.3-103 Section 906.6.1; curtain boards, general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 103. Change section 906.6.1 as follows: (a) Add an Exception 1 to read as follows: EXCEPTION 1. Buildings equipped with an engineered mechanical smoke removal system and an automatic fire-extinguishing system throughout.

(b) Add an Exception 2 to read as follows: EXCEPTION 2. Buildings using the design curves in NFPA 13 (675 IAC 13-1-8), for the design of rack storage sprinkler systems in buildings that are equipped with an engineered mechanical smoke removal system and an automatic fire-extinguishing system throughout. For high-piled combustible storage, see the Fire Code.

(c) Add an Exception 3 to read as follows: EXCEPTION 3. Buildings equipped with an early suppression fast-response sprinkler system.

(d) Add a paragraph at the end of the exceptions to read as follows: A fire department control panel for the engineered mechanical smoke removal system shall be located such that it is readily accessible to and usable by the servicing fire department. Prior to the design or installation of said panel, the servicing fire department shall be consulted on the location of the panel or the location shall be as required by local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-103; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2839; filed Nov 14, 2001, 4:55 p.m.: 25 IR 1175*)

675 IAC 13-2.3-104 Section 1003.2.1.2; change in use

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 104. Delete section 1003.2.1.2 and substitute as follows: See the General Administrative Rules (675 IAC 12). (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-104; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2839*)

675 IAC 13-2.3-105 Section 1003.2.2.3.1; assembly occupancies

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 105. Change the exception to section 1003.2.2.3.1 to read as follows: EXCEPTION: The occupant load for an assembly occupancy may be increased provided the maximum occupant load served does not exceed the capacity of the means of egress system for such increased number of persons. To substantiate such an increase, an aisle, seating, or fixed equipment diagram shall be posted in the facility housing the occupancy. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-105; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2839*)

675 IAC 13-2.3-106 Section 1003.2.2.5; revised occupant load

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 106. Delete section 1003.2.2.5 and substitute as follows: See the General Administrative Rules (675 IAC 12). (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-106; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2840*)

675 IAC 13-2.3-107 Section 1003.2.6; changes in elevation

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 107. Change, in Exception 1, "Group R, Division 3" to "Group R, Division 2 and 3". (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-107; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2840*)

675 IAC 13-2.3-108 Section 1003.2.7; elevators or escalators

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 108. Change section 1003.2.7 to read as follows: Elevators or escalators shall not be used as a required means of exit component, except as allowed by Chapter 11. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-108; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2840*)

675 IAC 13-2.3-109 Section 1003.2.8.2; where required

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 109. (a) Change Exception 1 to section 1003.2.8.2 to read as follows: 1. Main exterior exit doors which obviously and clearly are identifiable as exits need not be signed.

(b) Change, in Exception 3 to section 1003.2.8.2, "Group R, Division 3" to "Group R, Divisions 2 and 3". (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-109; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2840*)

675 IAC 13-2.3-110 Section 1003.2.9.1; general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 110. Change, in Exception 1 to section 1003.2.9.1, "Group R, Division 3" to "Group R, Divisions 2 and 3". (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-110; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2840*)

675 IAC 13-2.3-111 Section 1003.3.1.6; floor level at doors

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 111. Change section 1003.3.1.6 to read as follows: (a) Change the first four (4) sentences to read as follows: Regardless of the occupant load, there shall be a floor or landing on each side of a door. See Chapter 11 for floor levels for persons with a disability.

(b) Change Exception 1 to section 1003.3.1.6 to read as follows: EXCEPTION 1. In Group R, Division 3; Group R, Division 2 and Group U occupancies, and within individual dwelling units of Group R, Division I occupancies:

1.1 A door may open at the top of an interior flight of stairs, provided the door does not swing over the top step.

1.2 A door may open at a landing that is not more than eight (8) inches lower than the floor level, provided the door does not swing over the landing.

1.3 Screen doors and storm doors may swing over stairs, steps, or landings.

(*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-111; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2840*)

675 IAC 13-2.3-112 Section 1003.3.1.7; landings at doors

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 112. Change the exception to section 1003.3.1.7 to read as follows: In Group R, Division 3; Group R, Division 2 and Group U occupancies, and within individual dwelling units of Group R, Division 1 occupancies, such length need not exceed thirty-six (36) inches. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-112; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2840*)

675 IAC 13-2.3-113 Section 1003.3.1.8; type of lock or latch

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 113. Change section 1003.3.1.8 as follows: (a) Delete the last sentence of Exception 1 to the first paragraph.

(b) Change, in Exception 1 to second paragraph, "Group R, Division 3" to "Group R, Divisions 2 and 3". (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-113; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2840*)

675 IAC 13-2.3-114 Section 1003.3.3.5; landings

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 114. Change, in the exception to section 1003.3.3.5, the words “Group R, Division 3” to “Group R, Divisions 2 and 3”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-114; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2840*)

675 IAC 13-2.3-115 Section 1003.3.3.6; handrails

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 115. Change, in Exception 2 to the second paragraph to section 1003.3.3.6, the words “Group R, Division 3” to “Group R, Divisions 2 and 3”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-115; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2841*)

675 IAC 13-2.3-116 Section 1003.3.4.3; slope

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 116. Delete section 1003.3.4.3 and substitute to read as follows: The slope of ramps other than those required by Chapter 11 shall not be steeper than one (1) unit vertical in eight (8) units horizontal (12.5% slope). (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-116; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2841*)

675 IAC 13-2.3-117 Section 1004.2.3.2; from individual floors

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 117. Change, in Exception 5 to section 1004.2.3.2, “Group R, Division 3” to “Group R, Divisions 2 and 3”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-117; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2841*)

675 IAC 13-2.3-118 Section 1004.2.4; separation of exits or exit access doorways

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 118. (a) Delete the second sentence of section 1004.2.4.

(b) Number the exception to section 1004.2.4, Exception 1 and add Exception 2 to read as follows: 2. The distance between exits or exit access doorways shall not be less than one-third (1/3) the maximum overall diagonal dimension of the area to be served where the building is equipped throughout with an automatic, supervised fire-extinguishing system installed in accordance with the standards listed in the this code except NFPA 13R systems. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-118; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2841*)

675 IAC 13-2.3-119 Section 1004.3.2.3.1; width

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 119. Delete, in the first sentence of the third paragraph of section 1004.3.2.3.1, the words “and for which an approved life-safety evaluation has also been conducted”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-119; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2841*)

675 IAC 13-2.3-120 Section 1004.3.4.3; construction

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 120. Change section 1004.3.4.3 to read as follows: (a) Change Exception 5 to read as follows: 5. Corridor walls and ceilings need not be of fire-resistive construction within stories of Group A-2.1, A-3, B, E, F-1, F-2, I, M, S-1, S-2, S-3, S-5

Occupancies when the building is equipped throughout with an automatic fire-extinguishing system.

(b) Delete Exception 6.

(c) Add to the end of section 1004.3.4.3 to read as follows: For restrictions on the use of corridors to convey air, see the Indiana Mechanical Code (675 IAC 18). *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-120; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2841)*

675 IAC 13-2.3-121 Section 1004.3.4.5; elevators

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 121. Add an Exception 4 to the first paragraph of section 1004.3.4.5 to read as follows: 4. In fully sprinklered Group A-2.1, A-3, B, E, F-1, F-2, I, M, S-1, and S-2 Occupancies, elevator lobby separation is not required. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-121; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2841)*

675 IAC 13-2.3-122 Section 1005.3.3.1; exit enclosures, general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 122. Change Exception 2 to section 1005.3.3.1 to read as follows: EXCEPTION 2. Stairways in Group R, Divisions 2 and 3 Occupancies where the stair serves guest rooms located no higher than the second story and stairs within individual dwelling units in Group R, Division 1 Occupancies need not be enclosed. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-122; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2841)*

675 IAC 13-2.3-123 Section 1005.3.3.7; pressurized enclosure

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 123. Delete, from the first paragraph of section 1005.3.3.7, the words “Section 905 and”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-123; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2841)*

675 IAC 13-2.3-124 Section 1006.3.3.3; protection of exterior wall openings

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 124. Change, in Exception 1 to section 1006.3.3.3, “Group R, Division 3” to “Group R, Divisions [sic.] 2 and 3”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-124; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2842)*

675 IAC 13-2.3-125 Section 1006.3.4.3; protection of exterior wall openings

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 125. Change, in Exception 1 to section 1006.3.4.3, “Group R, Division 3” to “Group R, Divisions 2 and 3”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-125; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2842)*

675 IAC 13-2.3-126 Section 1006.3.5.2; width

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 126. Change, in section 1006.3.5.2, “Group R, Division 3” to “Group R, Divisions 2 and 3”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-126; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2842)*

675 IAC 13-2.3-127 Section 1007.2.5; panic hardware

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 127. Delete the last sentence of Exception 1 to section 1007.2.5. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-127; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2842*)

675 IAC 13-2.3-128 Section 1007.3.8; laboratories

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 128. Change section 1007.3.8 to read as follows: Occupants in laboratories having an area in excess of seven hundred (750) [sic.] square feet (sixty-nine and seven-tenths square meters (69.7 m²)) shall have access to at least two (2) exits from the room and all portions of the room shall be within seventy-five (75) feet (twenty-two thousand eight hundred sixty millimeters (22,860 mm)) of an exit. Exit doors shall swing in the direction of exit travel. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-128; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2842*)

675 IAC 13-2.3-129 Section 1008.7.3; smoke control

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 129. Change section 1008.7.3 to read as follows: All means of egress serving a smoke-protected assembly seating area shall be provided with completely automatic smoke control as approved by the building official.

EXCEPTION: Automatic smoke control is not required when a natural venting system design can be demonstrated to accomplish equivalent results.

(*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-129; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2842*)

675 IAC 13-2.3-130 Section 1009; building security

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 130. Delete the text of section 1009 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-130; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2842*)

675 IAC 13-2.3-131 Chapter 11; accessibility

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 5-16-9; IC 22-12-1-4; IC 22-13-4-1.5; IC 22-14; IC 22-15; IC 36-7

Sec. 131. Delete Chapter 11 and substitute the following:

CHAPTER 11 - PART 1 - ACCESSIBILITY FOR PUBLIC ACCOMMODATIONS AND COMMERCIAL FACILITIES

1.0 General.

1.1 Purpose. The purpose of this part is to implement a rule within the statutory authority of IC 22-13-2-2 and IC 22-13-4-1.5 that is compatible with Title III of the Americans with Disabilities Act of 1990 (42 U.S.C. 12181), which prohibits discrimination on the basis of disability and requires places of public accommodation and commercial facilities to be designed and constructed for accessibility by persons with a disability; requires that an alteration of an existing facility be made so that the alteration complies with the readily achievable barrier removal provisions of the Americans with Disabilities Act Accessibility Guidelines (28 CFR 36.101 et seq.); and allows the use of reasonable and cost-effective alternative means of public access or service if the alternative means are consistent with the Americans with Disabilities Act (42 U.S.C. 12181 et seq.).

1.2 Application.

(1) General. This part applies to the design and construction of any public accommodation or commercial facility.

(2) The requirements of this part obligate a public accommodation only with respect to the accommodation.

- (3) The requirements of this part obligate a public accommodation only with respect to:
 - (a) a facility designed or constructed for use as a place of public accommodation; or
 - (b) a facility designed and constructed for use as a commercial facility.
- (4) Part 1 applies to the design and construction of any private club, religious entity, and public entity. Private clubs, religious entities, and public entities shall be considered a place of public accommodation.
- (5) General exceptions.
 - (a) In new construction, a person or entity is not required to meet fully the requirements of this rule where that person or entity can demonstrate that it is structurally impracticable to do so. Full compliance will be considered structurally impracticable only in those rare circumstances when the unique characteristics of terrain prevent the incorporation of accessibility features. If full compliance with the requirements of this rule is structurally impracticable, a person or entity shall comply with the requirements to the extent it is not structurally impracticable. Any portion of the building or facility which can be made accessible shall comply to the extent that it is not structurally impracticable.
 - (b) Accessibility is not required to (i) observation galleries used primarily for security purposes; or (ii) in nonoccupiable spaces accessed only by ladders, catwalks, crawl spaces, very narrow passageways, or freight (nonpassenger) elevators, and frequented only by service personnel for repair purposes; such spaces include, but are not limited to, elevator pits, elevator penthouses, piping, or equipment catwalks.

1.3 Definitions.

COMMERCIAL FACILITIES means facilities:

- (1) whose operations will affect commerce;
- (2) that are intended for nonresidential use by a private entity;
- (3) that are Class 1 structures under IC 22-12-1-4; and
- (4) that are not facilities that are covered under Part 2 of Chapter 11.

FACILITY means all or any portion of Class 1 structures, site improvements, complexes, roads, walks, or parking lots on the site where the Class 1 structure is located.

PLACE OF PUBLIC ACCOMMODATION means a facility that falls within at least one (1) of the following categories:

- (1) An inn, hotel, motel, or other place of lodging, except for an establishment located within a building that contains not more than five (5) rooms for rent or hire and that is actually occupied by the proprietor of the establishment as the residence of the proprietor.
- (2) A restaurant, bar, or other establishment serving food or drink.
- (3) A motion picture house, theater, concert hall, stadium, or other place of exhibition or entertainment.
- (4) An auditorium, convention center, lecture hall, or other place of public gathering.
- (5) A bakery, grocery store, clothing store, hardware store, shopping center, or other sales or rental establishment.
- (6) A laundromat, dry cleaner, bank, barber shop, beauty shop, travel service, shoe repair service, funeral parlor, gas station, office of an accountant or lawyer, pharmacy, insurance office, professional office of a health care provider, hospital, or other service establishment.
- (7) A terminal, depot, or other station used for specified public transportation.
- (8) A museum, library, gallery, or other place of public display or collection.
- (9) A park, zoo, amusement park, or other place of recreation.
- (10) A nursery, elementary, secondary, undergraduate, or postgraduate private school, or other place of education.
- (11) A day care center, senior citizen center, homeless shelter, food bank, adoption agency, or other social service center establishment.
- (12) A gymnasium, health spa, bowling alley, golf course, or other place of exercise or recreation.
- (13) Private clubs.
- (14) Religious entities.
- (15) Public entities.

PRIVATE CLUB means a private club or establishment not in fact open to the public.

PRIVATE ENTITY means a person or entity other than a public entity.

PUBLIC ACCOMMODATION means a private entity that owns, leases (or leases to), or operates a place of public accommodation.

PUBLIC ENTITY means:

- (1) any state or local government; or
- (2) any department, agency, special purpose district, or other instrumentality of a state or states or local government.

RELIGIOUS ENTITY means a religious organization, including a place of worship.

2.1 Scope.

(a) Commercial facilities located in private residences.

(1) When a commercial facility is part of a private residence as new construction or as a change of occupancy, the portion of the residence used exclusively as a residence is not covered by this part, but the portion used exclusively in the operation of the commercial facility or that portion used both for the commercial facility and for residential purposes is covered by the new construction requirements of this part.

(2) The portion of the residence covered under paragraph (a)(1) of this section extends to those elements used to enter the commercial facility, including:

(A) the homeowner's front sidewalk, if any;

(B) the door or entryway and hallways; and

(C) those portions of the residence, interior or exterior, available to or used by employees or visitors of the commercial facility, including rest rooms.

(b) Elevator exemption.

(1) For the purposes of this paragraph:

(A) PROFESSIONAL OFFICE OF A HEALTH CARE PROVIDER means a location where a person or entity regulated by the state to provide professional services related to the physical or mental health of an individual makes such services available to the public. The facility housing the professional office of a health care provider only includes floor levels housing at least one (1) health care provider or any floor level designed or intended for use by at least one (1) health care provider.

(B) SHOPPING CENTER OR SHOPPING MALL means either of the following:

(i) A building housing five (5) or more sales or rental establishments.

(ii) A series of buildings on a common site, either under common ownership or common control or developed either as one (1) project or as a series of related projects, housing five (5) or more sales or rental establishments. For purposes of this section, places of public accommodation of the types listed in the definition of PLACE OF PUBLIC ACCOMMODATION subdivisions one (1) through twelve (12) in section 1.3 are considered sales or rental establishments. The facility housing a shopping center or shopping mall only includes floor levels housing at least one (1) sales or rental establishment or any floor level designed or intended for use by at least one (1) sales or rental establishment.

(2) This section does not require the installation of an elevator in a facility that is less than three (3) stories or has less than three thousand (3,000) square feet per story, except with respect to any facility that houses one (1) or more of the following:

(A) A shopping center, a shopping mall, or a professional office of a health care provider.

(B) A terminal, depot, or other station used for specified public transportation or an airport passenger terminal. In such a facility, any area housing passenger services, including boarding and disembarking, loading and unloading baggage claim, dining facilities, and other common areas open to the public, must be on an accessible route from an accessible entrance.

(3) The elevator exemption set forth in this paragraph (b) does not obviate or limit, in any way, the obligation to comply with the other accessibility requirements established in paragraph (a) of this section. For example, in a facility that houses a shopping center, a shopping mall, or a professional office of a health care provider, the floors that are above or below an accessible ground floor and that do not house sales or rental establishments or a professional office of a health care provider must meet the requirements of this section but for the elevator.

SCOPE AND TECHNICAL REQUIREMENTS

3.1 Provisions for Adults. The specifications in these guidelines are based upon adult dimensions and anthropometrics, except for 11.1 through 11.10.4.

3.2 Dimensional Tolerances. All dimensions are subject to conventional building industry tolerances for field conditions.

3.3 Graphic Conventions. Graphic conventions are shown in Table 1. Dimensions that are not marked minimum or maximum are absolute, unless otherwise indicated in the text or captions.

3.4 Definitions applicable to Part 1 of this Chapter only:

ACCESS AISLE means an accessible pedestrian space between elements that provides clearances appropriate for use of the elements.

ACCESSIBLE means a site, building, facility, or portion thereof that complies with this part.

ACCESSIBLE ELEMENT means an element specified by this part.

ACCESSIBLE ROUTE means a continuous, unobstructed path connecting all accessible elements and spaces of a building or facility. Interior accessible routes may include corridors, floors, ramps, elevators, lifts, and clear floor space at fixtures. Exterior accessible routes may include parking access aisles, curb ramps, crosswalks at vehicular ways, walks, ramps, and lifts within the site where the Class 1 structure is located.

ACCESSIBLE SPACE means space that complies with this part.

ADAPTABILITY means the ability of certain building spaces and elements, such as kitchen counters, sinks, and grab bars, to be added or altered so as to accommodate the needs of persons with or without disabilities or to accommodate the needs of persons with different types or degrees of disability.

ADDITION means all expansion, extension, or increase in the gross floor area of a building or facility.

ADMINISTRATIVE AUTHORITY means the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the fire prevention and building safety commission. For the purposes of Industrialized Building Systems (675 IAC 15), **ADMINISTRATIVE AUTHORITY** means the state building commissioner.

AREA OF RESCUE ASSISTANCE means an area, which has direct access to an exit, where people who are unable to use stairs may remain temporarily in safety to await further instructions or assistance during emergency evacuation.

ASSEMBLY AREA means, for the purposes of Part 1, a room or space accommodating a group of individuals for recreational, educational, political, social, or amusement purposes, or for the consumption of food and drink.

AUTOMATIC DOOR means a door equipped with a power-operated mechanism and controls that open and close the door automatically upon receipt of a momentary actuating signal. The switch that begins the automatic cycle may be a photoelectric device, floor mat, or manual switch (see **POWER-ASSISTED DOOR**).

BUILDING means any structure used and intended for supporting or sheltering any use or occupancy.

CIRCULATION PATH means an exterior or interior way of passage from one (1) place to another for pedestrians, including, but not limited to, walks, hallways, courtyards, stairways, and stair landings.

CLEAR means unobstructed.

CLEAR FLOOR SPACE means the minimum unobstructed floor or ground space required to accommodate a single, stationary wheelchair and occupant.

CLOSED CIRCUIT TELEPHONE means a telephone with dedicated line(s) such as a house phone, courtesy phone, or phone that must be used to gain entrance to a facility.

COMMON USE means those interior and exterior rooms, spaces, or elements that are made available for the use of a restricted group of people, for example, occupants of a homeless shelter, the occupants of an office building, or the guests of such occupants.

CROSS SLOPE means the slope that is perpendicular to the direction of travel (see **RUNNING SLOPE**).

CURB RAMP means a short ramp cutting through a curb or built up to it.

DETECTABLE WARNING means a standardized surface feature built in or applied to walking surfaces or other elements to warn visually impaired people of hazards on a circulation path.

DWELLING UNIT means, for the purposes of Part 1, a single unit which provides a kitchen or food preparation area, in addition to rooms and spaces for living, bathing, sleeping, and the like. Dwelling units include:

- (1) a single family home or a town house used as a transient group home;
- (2) an apartment building used as a shelter;
- (3) guest rooms in a hotel that provide sleeping accommodations and food preparation areas; and
- (4) other similar facilities used on a transient basis.

For the purposes of Part 1, use of the term **DWELLING UNIT** does not imply the unit is used as a residence.

EGRESS, MEANS OF means, for the purposes of Part 1, a continuous and unobstructed way of exit travel from any point in a building or facility to a public way. A means of egress comprises vertical and horizontal travel and may include intervening room spaces, doorways, hallways, corridors, passageways, balconies, ramps, stairs, enclosures, lobbies, horizontal exits, courts, and yards. An accessible means of egress is one that complies with Part 1 and does not include stairs, steps, or escalators. Areas of rescue assistance or evacuation elevators may be included as part of accessible means of egress.

ELEMENT means an architectural or mechanical component of a building, facility, space, or site.

ENTRANCE means any access point to a building or portion of a building or facility used for the purpose of entering. An entrance includes the approach walk, the vertical access leading to the entrance platform, the entrance platform itself, vestibule if provided, the entry door(s) or gate(s), and the hardware of the entry door(s) or gate(s).

FACILITY means all or any portion of a Class 1 structure, site improvements, complexes, roads, walks, or parking lots on the site

where the Class 1 structure is located.

GROUND FLOOR means, for the purposes of Part 1, any occupiable floor less than one (1) story above or below grade with direct access to grade. A building or facility always has at least one (1) ground floor and may have more than one (1) ground floor as where a split level entrance has been provided or where a building is built into a hillside.

MARKED CROSSING means a crosswalk or other identified path intended for pedestrian use in crossing a vehicular way, located on the site where the Class 1 building or structure is located.

MEZZANINE OR MEZZANINE FLOOR means, for the purposes of Part 1, that portion of a story which is an intermediate floor level placed within the story and having occupiable space above and below its floor.

MULTIFAMILY DWELLING means any building containing more than two (2) dwelling units.

OCCUPIABLE means a room or enclosed space designed for human occupancy:

(1) in which:

(A) individuals congregate for amusement, educational or similar purposes; or

(B) occupants are engaged at labor; and

(2) which is equipped with means of egress, light, and ventilation.

OPERABLE PART means a part or a piece of equipment or appliance used to insert or withdraw objects, or to activate, deactivate, or adjust the equipment or appliance, for example, coin slot, push button, or handle.

POWER-ASSISTED DOOR means a door used for human passage with a mechanism that helps to open the door, or relieves the opening resistance of a door, upon the activation of a switch or a continued force applied to the door itself.

PUBLIC USE means interior or exterior rooms or spaces that are made available to the general public. Public use may be provided at a building or facility that is privately or publicly owned.

RAMP means, for the purposes of Part 1, a walking surface which has a running slope greater than 1:20.

RUNNING SLOPE means the slope that is parallel to the direction of travel (see **CROSS SLOPE**).

SERVICE ENTRANCE means an entrance intended primarily for delivery of goods or services.

SIGNAGE means displayed verbal, symbolic, tactile, and pictorial information.

SITE means a parcel of land bounded by a property line or a designated portion of a public right-of-way.

SITE IMPROVEMENT means landscaping, paving for pedestrian and vehicular ways, outdoor lighting, recreational facilities, and similar improvements added to a site.

SLEEPING ACCOMMODATIONS means rooms in which people sleep, for example, dormitory and hotel or motel guest rooms or suites.

SPACE means a definable area, such as room, toilet room, hall, assembly area, entrance, storage room, alcove, courtyard, or lobby.

STORY means, for the purposes of Part 1, that portion of a building included between the upper surface of a floor and the upper surface of the floor or roof next above. If such portion of a building does not include occupiable space, it is not considered a story for purposes of Part 1. There may be more than one (1) floor level within a story as in the case of a mezzanine or mezzanines.

STRUCTURAL FRAME means the structural frame shall be considered to be the columns and the girders, beams, trusses, and spandrels having direct connections to the columns and all other members which are essential to the stability of the building as a whole.

TACTILE means an object that can be perceived using the sense of touch.

TEXT TELEPHONE means machinery or equipment that employs interactive graphic (i.e., typed) communications through the transmission of coded signals across the standard telephone network. Text telephones can include, for example, devices known as TDD's (telecommunication display devices or telecommunication devices for deaf persons) or computers.

TRANSIENT LODGING means a building, facility, or portion thereof, excluding in-patient medical care facilities, that contains one (1) or more dwelling units or sleeping accommodations. Transient lodging may include, but is not limited to, resorts, group homes, hotels, motels, and dormitories.

VEHICULAR WAY means a route intended for vehicular traffic, such as a street, driveway, or parking lot, within the site where a Class 1 structure is located.

WALK means an exterior pathway with a prepared surface intended for pedestrian use, including general pedestrian areas such as plazas and courts, within the site where a Class 1 structure is located.

4.0 Accessible Elements, Routes, and Spaces.

4.1 Minimum Requirements.

4.1.1 Application.

(1) General. All areas of newly designed or newly constructed buildings and facilities required to be accessible by section

4.1.2 and section 4.1.3.

(1) Application Based on Building Use. Special application *[sic.]* sections 5 through 9 provide additional requirements for restaurants and cafeterias, medical care facilities, business and mercantile, libraries, and accessible transient lodging. When a building or facility contains more than one (1) use covered by a special application section, each portion shall comply with the requirements for that use.

(2) Areas Used Only by Employees as Work Areas. Areas that are used only as work areas shall be designed and constructed so that persons with a disability can approach, enter, and exit the areas. This part does not require that any areas used only as work areas be constructed to permit maneuvering within the work area or be constructed or equipped, such as racks or shelves, to be accessible.

(3) Temporary Structures. Chapter 11 covers temporary buildings or facilities as well as permanent facilities. Temporary buildings and facilities are not of permanent construction but are extensively used or are essential for public use for a period of time. Examples of temporary buildings or facilities covered by this rule include, but are not limited to, reviewing stands, temporary classrooms, bleacher areas, exhibit areas, temporary banking facilities, temporary health screening services, or temporary safe pedestrian passageways around a construction site. Structures, sites, and equipment directly associated with the actual processes of construction, such as scaffolding, bridging, materials hoists, or construction trailers, are not included.

(4) Accessibility is not required on:

(A) observation galleries used primarily for security purposes; or

(B) in nonoccupiable spaces accessed only by ladders, catwalks, crawl spaces, very narrow passageways, or freight (nonpassenger) elevators and frequented only by service personnel for repair purposes; such spaces include, but are not limited to, elevator pits, elevator penthouses, piping, or equipment catwalks.

4.1.2 Accessible Sites and Exterior Facilities: New Construction.

An accessible site shall meet the following minimum requirements:

(1) At least one (1) accessible route complying with section 4.3 shall be provided within the boundary of the site from public transportation stops, accessible parking spaces, passenger loading zones, if provided, and public streets or sidewalks to an accessible building entrance.

(2) At least one (1) accessible route complying with section 4.3 shall connect accessible buildings, accessible facilities, accessible elements, and accessible spaces that are on the same site.

(3) All objects that protrude from surfaces or posts into circulation paths shall comply with section 4.4.

(4) Ground surfaces along accessible routes and in accessible spaces shall comply with section 4.5.

(5) Reserved.

(6) If toilet facilities are provided on a site, then each such public or common use toilet facility shall comply with section 4.22. If bathing facilities are provided on a site, then each such public or common use bathing facility shall comply with section 4.23.

(7) Building Signage. Signs which designate permanent rooms and spaces shall comply with sections 4.30.1, 4.30.4, 4.30.5, and 4.30.6. Other signs which provide direction to, or information about, functional spaces of the building shall comply with sections 4.30.1, 4.30.2, 4.30.3, and 4.30.5.

Elements and spaces of accessible facilities which shall be identified by the international symbol of accessibility and which shall comply with section 4.30.7 are as follows:

(a) Parking spaces designated as reserved for persons with a disability.

(b) Accessible passenger loading zones.

(c) Accessible entrances when not all are accessible (inaccessible entrances shall have directional signage to indicate the route to the nearest accessible entrance).

(d) Accessible toilet and bathing facilities when not all are accessible.

4.1.3 Accessible Buildings: Minimum Requirements.

Accessible buildings and facilities shall be designed and constructed to meet the following minimum requirements:

(1) At least one (1) accessible route complying with section 4.3 shall connect accessible building or facility entrances with all accessible spaces and elements within the building or facility.

(2) All objects that overhang or protrude into circulation paths shall comply with section 4.4.

(3) Ground and floor surfaces along accessible routes and in accessible rooms and spaces shall comply with section 4.5.

(4) Interior and exterior stairs connecting levels that are not connected by an elevator, ramp, or other accessible means of

vertical access shall comply with section 4.9.

(5) One (1) passenger elevator complying with section 4.10 shall serve each level, including mezzanines, in all multistory buildings and facilities unless exempted below. If more than one (1) elevator is provided, each full passenger elevator shall comply with section 4.10.

EXCEPTION 1: Elevators are not required in facilities that are less than three (3) stories or that have less than three thousand (3,000) square feet per story unless the building is a shopping center, a shopping mall, or a professional office of a health care provider. The elevator exemption set forth in this paragraph does not obviate or limit in any way the obligation to comply with the other accessibility requirements established in section 4.1.3. For example, floors above or below the accessible ground floor must meet the requirements of this section, except for elevator service. If toilet or bathing facilities are provided on a level not served by an elevator, then toilet or bathing facilities must be provided on the accessible ground floor. In new construction, if a building or facility is eligible for this exemption but a full passenger elevator is nonetheless planned, that elevator shall meet the requirements of section 4.10 and shall serve each level in the building. A full passenger elevator that provides service from a garage to only one (1) level of a building or facility is not required to serve other levels.

EXCEPTION 2: Elevator pits, elevator penthouses, mechanical rooms, piping or equipment, and catwalks are exempted from this requirement.

EXCEPTION 3: Accessible ramps complying with section 4.8 may be used in lieu of an elevator.

EXCEPTION 4: Platform lifts (wheelchair lifts) complying with section 4.11 of this part may be used in lieu of an elevator only under the following conditions:

- (a) To provide an accessible route to a performing area in an assembly occupancy.
- (b) To comply with the wheelchair viewing position line-of-sight and dispersion requirements of section 4.33.3.
- (c) To provide access to incidental occupiable spaces and rooms which are not open to the general public and which house no more than five (5) persons, including, but not limited to, equipment control rooms and projection booths.
- (d) To provide access where existing site constraints or other constraints make use of a ramp or an elevator infeasible.

(6) Reserved.

(7) Doors:

- (a) At each accessible entrance to a building or facility, at least one (1) door shall comply with section 4.13.
- (b) Within a building or facility, at least one (1) door at each accessible space shall comply with section 4.13.
- (c) Each door that is an element of an accessible route shall comply with section 4.13.
- (d) Each door required by section 4.3.10, Egress, shall comply with section 4.13.

(8) At a minimum, the requirements in (a) and (b) below shall be satisfied independently:

(a)(i) At least fifty percent (50%) of all public entrances (excluding those in (2)(b) below) must be accessible. At least one (1) must be a ground floor entrance. Public entrances are any entrances that are not loading or service entrances.

(ii) Accessible entrances must be provided in a number at least equivalent to the number of exits required by chapter 10 of this code. (This paragraph does not require an increase in the total number of entrances planned for a facility.)

(iii) An accessible entrance must be provided to each tenancy in a facility, for example, individual stores in a strip shopping center.

One (1) entrance may be considered as meeting more than one (1) of the requirements in (1)(a). Accessible entrances shall be entrances used by the majority of people visiting or working in the building.

(b)(i) In addition, if direct access is provided for pedestrians from an enclosed parking garage to the building, at least one (1) direct entrance from the garage to the building must be accessible.

(ii) If access is provided for pedestrians from a pedestrian tunnel or elevated walkway, one (1) entrance to the building from each tunnel or walkway must be accessible.

One (1) entrance may be considered as meeting more than one (1) of the requirements in (b).

(c) If the only entrance to a building, or tenancy in a facility, is a service entrance, that entrance shall be accessible.

(d) Entrances which are not accessible shall have directional signage complying with sections 4.30.1 and 4.30.5 which indicates the location of the nearest accessible entrance.

(9) In buildings or facilities, or portions of buildings or facilities, required to be accessible, accessible means of egress shall

be provided in the same number as required for exits by chapter 10 of this code. Where a required exit from an occupiable level above or below a level of accessible exit discharge is not accessible, an area of rescue assistance shall be provided on each such level (in a number equal to that of inaccessible required exits). Areas of rescue assistance shall comply with section 4.3.11. A horizontal exit, meeting the requirements of chapter 10 of this code, shall satisfy the requirements for an area of rescue assistance (see section 4.3.11).

EXCEPTION: Areas of rescue assistance are not required in buildings or facilities having a supervised automatic fire suppression system throughout.

(10) Drinking Fountains:

(a) Where only one (1) drinking fountain is provided on a floor, there shall be a drinking fountain which is accessible to individuals who use wheelchairs in accordance with section 4.15 and one (1) accessible to those who have difficulty bending or stooping.

(b) Where more than one (1) drinking fountain or water cooler is provided on a floor, fifty percent (50%) of those provided shall comply with section 4.15 and shall be on an accessible route.

(11) Toilet Facilities: If toilet rooms are provided, then each public and common use toilet room shall comply with section 4.22. Other toilet rooms provided for the use of occupants of specific spaces, such as a private toilet room for the occupant of a private office, shall be adaptable in conformance with CABO/ANSI A117.1 1992 as referenced in Chapter 11 - Part 2. If bathing rooms are provided, then each public and common use bathroom shall comply with section 4.23. Accessible toilet rooms and bathing facilities shall be on an accessible route.

(12) Storage, Shelving, and Display Units:

(a) If fixed or built-in storage facilities, such as cabinets, shelves, closets, and drawers, are provided in accessible spaces, at least one (1) of each type provided shall contain storage space complying with section 4.25. Additional storage may be provided outside of the dimensions required by section 4.25.

(b) Shelves or display units allowing self-service by customers in mercantile occupancies shall be located *[sic., located]* on an accessible route complying with section 4.3. Requirements for accessible reach range do not apply.

(13) Controls and operating mechanisms in accessible spaces, along accessible routes, or as parts of accessible elements, for example, light switches and dispenser controls, shall comply with section 4.27.

(14) If emergency warning systems are provided, then they shall include both audible alarms and visual alarms complying with section 4.28. Sleeping accommodations required to comply with section 9.3 shall have an alarm system complying with 4.28.

(15) Reserved.

(16) Building Signage:

(a) Signs which designate permanent rooms and spaces shall comply with sections 4.30.1, 4.30.4, 4.30.5, and 4.30.6.

(b) Other signs which provide direction to or information about functional spaces of the building shall comply with sections 4.30.1, 4.30.2, 4.30.3, and 4.30.5.

EXCEPTION: Building directories, menus, and all other signs which are temporary are not required to comply.

(17) Public Telephones:

(a) If public pay telephones, public closed circuit telephones, or other public telephones are provided, then they shall comply with sections 4.31.2 through 4.31.8 to the extent required by the following table:

Number of Each Type of Telephone Provided on Each Floor	Number of Telephones Required to Comply With Sections 4.31.2 Through 4.31.8 ¹
1 or more single unit	1 per floor
1 bank ²	1 per floor
2 or more banks ²	1 per bank. Accessible unit may be installed as a single unit in proximity (either visible or with signage) to the bank. At least 1 public telephone per floor shall meet the requirements for a forward reach telephone ³ .

¹Additional public telephones may be installed at any height. Unless otherwise specified, accessible telephones may be either forward or side reach telephones.

²A bank consists of two (2) or more adjacent public telephones, often installed as a unit.

³EXCEPTION: For exterior installations only, if dial tone first service is available, then a side reach telephone may be installed instead of the required forward reach telephone (i.e., one (1) telephone in proximity to each bank shall comply with section 4.31).

(b) All telephones required to be accessible and complying with sections 4.31.2 through 4.31.8 shall be equipped with a volume control. In addition, twenty-five percent (25%), but never less than one (1), of all other public telephones provided shall be equipped with a volume control and shall be dispersed among all types of public telephones, including closed circuit telephones, throughout the building or facility. Signage complying with applicable provisions of section 4.30.7 shall be provided.

(c) The following shall be provided in accordance with 4.31.9:

(i) If a total number of four (4) or more public pay telephones (including both interior and exterior phones) is provided at a site, and at least one (1) is in an interior location, then at least one (1) interior public text telephone shall be provided.

(ii) If an interior public pay telephone is provided in a stadium or arena, in a convention center, in a hotel with a convention center, or in a covered mall, at least one (1) interior public text telephone shall be provided in the facility.

(iii) If a public pay telephone is located in or adjacent to a hospital emergency room, hospital recovery room, or hospital waiting room, one (1) public text telephone shall be provided at each such location.

(d) Where a bank of telephones in the interior of a building consists of three (3) or more public pay telephones, at least one (1) public pay telephone in each such bank shall be equipped with a shelf and outlet in compliance with section 4.31.9(2).

(18) If fixed or built-in seating or tables (including, but not limited to, study carrels and student laboratory stations), are provided in accessible public or common use areas, at least five percent (5%), but not less than one (1), of the fixed or built-in seating areas or tables shall comply with section 4.32. An accessible route shall lead to and through such fixed or built-in seating areas or tables.

(19) Assembly Areas:

(a) Places of assembly with fixed seating accessible wheelchair locations shall comply with sections 4.33.2, 4.33.3, and 4.33.4 and shall be provided consistent with the following table:

Capacity of Seating in Assembly Areas	Number of Required Wheelchair Locations
4 to 25	1
26 to 50	2
51 to 300	4
301 to 500	6
Over 500	6, plus 1 additional space for each total seating capacity increase of 100

In addition, one percent (1%), but not less than one (1), of all fixed seats shall be aisle seats with no armrests on the aisle side, or removable or folding armrests on the aisle side. Each such seat shall be identified by a sign or marker. Signage notifying patrons of the availability of such seats shall be posted at the ticket office. Aisle seats are not required to comply with section 4.33.4.

(b) This paragraph applies to assembly areas where audible communications are integral to the use of the space (e.g., concert and lecture halls, playhouses and movie theaters, and meeting rooms, etc.). Such assembly areas, if (1) they accommodate at least fifty (50) persons, or if they have audio-amplification systems, and (2) they have fixed seating, shall have a permanently installed assistive listening system complying with section 4.33. For other assembly areas, a permanently installed assistive listening system, or an adequate number of electrical outlets or other supplementary wiring necessary to support a portable assistive listening system shall be provided. The minimum number of receivers to be provided shall be equal to four percent (4%) of the total number of seats, but in no case less than two (2). Signage complying with applicable provisions of section 4.30 shall be installed to notify patrons of the availability of a listening system.

(20) Where automated teller machines (ATMs) are provided, each ATM shall comply with the requirements of section 4.34

except where two (2) or more are provided at a location, then only one (1) must comply.

EXCEPTION: Drive-up-only automated teller machines are not required to comply with sections 4.27.2, 4.27.3, and 4.34.3.

(21) Where dressing and fitting rooms are provided for use by the general public, patients, customers, or employees, five percent (5%), but never less than one (1), of the dressing rooms for each type of use within each cluster of dressing rooms shall be accessible and shall comply with section 4.35. Examples of types of dressing rooms are those serving different genders or distinct and different functions as in different treatment or examination facilities.

4.1.4 Reserved.

4.1.5 Accessible Buildings: Additions. Each addition to an existing building or facility shall be regarded as an alteration. Each space or element added to the existing building or facility shall comply with the applicable provisions of sections 4.1.1 to 4.1.3. Minimum Requirements (for New Construction) and the applicable technical specifications of sections 4.2 through 4.35 and sections 5 through 9.

4.1.6 Reserved.

4.1.7 Reserved.

4.2 Space Allowable and Reach Ranges.

4.2.1 Wheelchair Passage Width. The minimum clear width for single wheelchair passage shall be thirty-two (32) inches (eight hundred fifteen (815) millimeters) at a point and thirty-six (36) inches (nine hundred fifteen (915) millimeters) continuously (see Fig. 1 and 24(e)).

4.2.2 Width for Wheelchair Passing. The minimum width for two (2) wheelchairs to pass is sixty (60) inches (one thousand five hundred twenty-five (1,525) millimeters) (see Fig. 2).

4.2.3 Wheelchair Turning Spaces. The space required for a wheelchair to make a one hundred eighty (180) degree turn is a clear space of sixty (60) inches (one thousand five hundred twenty-five (1,525) millimeters) diameter (see Fig. 3(a)) or a T-shaped space (see Fig. 3(b)).

4.2.4 Clear Floor or Ground Space for Wheelchairs.

4.2.4.1 Size and Approach. The minimum clear floor or ground space required to accommodate a single, stationary wheelchair and occupant is thirty (30) inches by forty-eight (48) inches (seven hundred sixty (760) millimeters by one thousand two hundred twenty (1,220) millimeters) (see Fig. 4(a)). The minimum clear floor or ground space for wheelchairs may be positioned for forward or parallel approach to an object (see Fig. 4(b) and 4(c)). Clear floor or ground space for wheelchairs may be part of the knee space required under some objects.

4.2.4.2 Relationship of Maneuvering Clearance to Wheelchair Spaces. One (1) full unobstructed side of the clear floor or ground space for a wheelchair shall adjoin or overlap an accessible route or adjoin another wheelchair clear floor space. If a clear floor space is located in an alcove or otherwise confined on all or part of three (3) sides, additional maneuvering clearances shall be provided as shown in Fig. 4(d) and 4(e).

4.2.4.3 Surfaces for Wheelchair Spaces. Clear floor or ground spaces for wheelchairs shall comply with section 4.5.

4.2.5 Forward Reach. If the clear floor space only allows forward approach to an object, the maximum high forward reach allowed shall be forty-eight (48) inches (one thousand two hundred twenty (1,220) millimeters) (see Fig. 5(a)). The minimum low forward reach is fifteen (15) inches (three hundred eighty (380) millimeters). If the high forward reach is over an obstruction, reach and clearances shall be as shown in Fig. 5(b).

4.2.6 Side Reach. If the clear floor space allows parallel approach by a person in a wheelchair, the maximum high side reach allowed shall be fifty-four (54) inches (one thousand three hundred seventy (1,370) millimeters) and the low side reach shall be no less than nine (9) inches (two hundred thirty (230) millimeters) above the floor (Fig. 6(a) and 6(b)). If the side reach is over an obstruction, the reach and clearances shall be as shown in Fig. 6(c).

4.3 Accessible Route.

4.3.1 General. All walks, halls, corridors, aisles, sky walks, tunnels, and other spaces that are part of an accessible route shall comply with section 4.3.

4.3.2 Location.

(1) At least one (1) accessible route within the boundary of the site shall be provided from public transportation stops, accessible parking and accessible passenger loading zones, and public streets or sidewalks to the accessible building entrance they serve. The accessible route shall coincide with the route for the general public.

(2) At least one (1) accessible route shall connect accessible buildings, facilities, elements, and spaces that are on the same site.

(3) At least one (1) accessible route shall connect accessible building or facility entrances with all accessible spaces and elements and with all accessible dwelling units within the building or facility.

(4) An accessible route shall connect at least one (1) accessible entrance of each accessible dwelling unit with those exterior and interior spaces and facilities that serve the accessible dwelling unit.

4.3.3 Width. The minimum clear width of an accessible route shall be thirty-six (36) inches (nine hundred fifteen (915) millimeters) except at doors (see sections 4.13.5 and 4.13.6). If a person in a wheelchair must make a turn around an obstruction, the minimum clear width of the accessible route shall be as shown in Fig. 7(a) and 7(b).

4.3.4 Passing Spaces. If an accessible route has less than sixty (60) inches (one thousand five hundred twenty-five (1,525) millimeters) clear width, then passing spaces at least sixty (60) inches by sixty (60) inches (one thousand five hundred twenty-five (1,525) millimeters by one thousand five hundred twenty-five (1,525) millimeters) shall be located at reasonable intervals not to exceed two hundred (200) feet (sixty-one (61) meters). A T-intersection of two (2) corridors or walks is an acceptable passing place.

4.3.5 Head Room. Accessible routes shall comply with section 4.4.2.

4.3.6 Surface Textures. The surface of an accessible route shall comply with section 4.5.

4.3.7 Slope. An accessible route with a running slope greater than 1:20 is a ramp and shall comply with section 4.8. The cross slope of an accessible route shall not exceed 1:50.

4.3.8 Changes in Levels. Changes in levels along an accessible route shall comply with section 4.5.2. If an accessible route has changes in level greater than one-half (½) inch (thirteen (13) millimeters), then a curb ramp, ramp, elevator, or elevator platform lift (as permitted in section 4.1.3) shall be provided that complies with sections [sic., section] 4.7, 4.8, 4.10, or 4.11, respectively. An accessible route does not include stairs, steps, or escalators. See definition of “EGRESS, MEANS OF” in section 3.5.

4.3.9 Doors. Doors along an accessible route shall comply with section 4.13.

4.3.10 Egress. Accessible routes serving any accessible space or element shall also serve as a means of egress for emergencies or connect to an accessible area of rescue assistance.

4.3.11 Areas of Rescue Assistance.

4.3.11.1 Location and Construction. An area of rescue assistance shall be one (1) of the following:

(1) A portion of a stairway landing within a smoke-proof enclosure.

(2) A portion of an exterior exit balcony located immediately adjacent to an exit stairway when the balcony complies with the requirements for exterior exit balconies in chapter 10 of this code. Openings to the interior of the building located within twenty (20) feet (six (6) meters) of the area of rescue assistance shall be protected with fire assemblies having a three-fourths (¾) hour fire protection rating.

(3) A portion of a one (1) hour fire-resistive corridor located immediately adjacent to an exit enclosure.

(4) A vestibule located immediately adjacent to an exit enclosure and constructed to the same fire-resistive standards as required for corridors and openings.

(5) A portion of a stairway landing within an exit enclosure which is vented to the exterior and is separated from the interior of the building with not less than one (1) hour fire-resistive doors.

(6) An area or a room which is separated from other portions of the building by a smoke barrier. Smoke barriers shall have a fire-resistive rating of not less than one (1) hour and shall completely enclose the area or room. Doors in the smoke barrier shall be tight-fitting smoke and draft control assemblies having a fire-protection rating of not less than twenty (20) minutes and shall be self-closing or automatic closing. The area or room shall be provided with an exit directly to an exit enclosure. Where the room or area exits into an exit enclosure, which is required to be more than one (1) hour fire-resistive construction, the room or area shall have the same fire-resistive construction, including the same opening protection, as required for the adjacent exit.

(7) An elevator lobby when elevator shafts and adjacent lobbies are pressurized as required for smokeproof enclosures by chapter 10 of this code and when complying with requirements herein for size, communication, and signage. Such pressurization system shall be activated by smoke detectors on each floor. Pressurization equipment and its duct work within the building shall be separated from other portions of the building by a minimum two (2) hour fire-resistive construction.

(8) The area immediately adjacent to a horizontal exit that affords safety from fire or smoke coming from the area which escape is made.

4.3.11.2 Size. Each area of rescue assistance shall provide at least two (2) accessible areas each being not less than thirty (30) inches by forty-eight (48) inches (seven hundred sixty (760) millimeters by one thousand two hundred twenty (1,220) millimeters). The area of rescue assistance shall not encroach on any required exit width. The total number of such thirty (30) inch by forty-eight (48) inch (seven hundred sixty (760) millimeters by one thousand twenty [sic.] (1,220) millimeters) areas per story shall be not less than

one (1) for every two hundred (200) persons of calculated occupant load served by the area of rescue assistance.

EXCEPTION: The number of thirty (30) inch by forty-eight (48) inch (seven hundred sixty (760) millimeters by one thousand two hundred twenty (1,220) millimeters) areas may be one (1) for each area of rescue assistance on floors where the occupant load is less than two hundred (200).

4.3.11.3 Stairway Width. Each stairway adjacent to an area of rescue assistance shall have a minimum clear width of forty-eight (48) inches between handrails.

4.3.11.4 Two-way Communication. A method of two-way communication, with both visible and audible signals, shall be provided between each area of rescue assistance and the primary entry.

4.3.11.5 Identification. Each area of rescue assistance shall be identified by a sign which states "AREA OF RESCUE ASSISTANCE" and display the international symbol of accessibility. The sign shall be illuminated when exit sign illumination is required by chapter 10 of this code. Signage shall also be installed at all inaccessible exits and where otherwise necessary to clearly indicate the direction to areas of rescue assistance. In each area of rescue assistance, instructions on the use of the area under emergency conditions shall be posted adjoining the two-way communication system.

4.4 Protruding Objects.

4.4.1 General. Objects projecting from walls, for example, telephones, with their leading edges between twenty-seven (27) inches and eighty (80) inches (six hundred eighty-five (685) millimeters and two thousand thirty (2,030) millimeters) above the finished floor shall protrude no more than four (4) inches (one hundred (100) millimeters) into walks, halls, corridors, passageways, or aisles (see Fig. 8(a)). Objects mounted with their leading edges at or below twenty-seven (27) inches (six hundred eighty-five (685) millimeters) above the finished floor may protrude any amount (see Fig. 8(a) and (b)). Free-standing objects mounted on posts or pylons may overhang twelve (12) inches (three hundred five (305) millimeters) maximum from twenty-seven (27) inches to eighty (80) inches (six hundred eighty-five (685) millimeters to two thousand thirty (2,030) millimeters) above the ground or finished floor (see Fig. 8(c) and 8(d)). Protruding objects shall not reduce the clear width of an accessible route or maneuvering space (see Fig. 8(e)).

4.4.2 Head Room. Walks, halls, corridors, passageways, aisles, or other circulation spaces shall have eighty (80) inches (two thousand thirty (2030) millimeters) minimum clear head room (see Fig. 8(a)). If vertical clearance of an area adjoining an accessible route is reduced to less than eighty (80) inches (nominal dimension), a barrier to warn blind or visually impaired persons shall be provided (see Fig. 8(c-1)).

4.5 Ground and Floor Surfaces.

4.5.1 General. Ground and floor surfaces along accessible routes and in accessible rooms and spaces, including floors, walks, ramps, stairs, and curb ramps, shall be stable, firm, and slip-resistant and shall comply with section 4.5.

4.5.2 Changes in Level. Changes in level up to one-fourth (¼) inch (six (6) millimeters) may be vertical and without edge treatment (see Fig. 7(c)). Changes in level between one-fourth (¼) inch and one-half (½) inch (six (6) millimeters and thirteen (13) millimeters) shall be beveled with a slope no greater than 1:2 (see Fig. 7(d)). Changes in level greater than one-half (½) inch (thirteen (13) millimeters) shall be accomplished by means of a ramp that complies with section 4.7 or 4.8.

4.5.3 Carpet. If carpet or carpet tile is used on a ground or floor surface, then it shall be securely attached; have a firm cushion, pad, or backing, or no cushion or pad; and have a level loop, textured loop, level cut pile, or level cut/uncut pile texture. The maximum pile thickness shall be one-half (½) inch (thirteen (13) millimeters) (see Fig. 8(f)). Exposed edges of carpet shall be fastened to floor surfaces and have trim along the entire length of the exposed edge. Carpet edge trim shall comply with 4.5.2.

4.5.4 Gratings. If gratings are located in walking surfaces, then they shall have spaces no greater than one-half (½) inch (thirteen (13) millimeters) wide in one (1) direction (see Fig. 8(g)). If gratings have elongated openings, then they shall be placed so that the long dimension is perpendicular to the dominant direction of travel (see Fig. 8(h)).

4.6 Parking and Passenger Loading Zones.

4.6.1 Parking spaces required to be accessible by 4.1 shall comply with IC 5-16-9.

4.6.2 Reserved.

4.6.3 Reserved.

4.6.4 Reserved.

4.6.5 Vertical Clearance. Provide minimum vertical clearance of one hundred fourteen (114) inches (two thousand eight hundred ninety-five (2,895) millimeters) at accessible passenger loading zones and along at least one (1) vehicle access route to such areas from site entrance(s) and exit(s).

4.6.6 Passenger Loading Zones. Passenger loading zones shall provide an access aisle at least sixty (60) inches (one thousand five hundred twenty-five (1,525) millimeters) wide and twenty (20) feet (two hundred forty (240) inches) (six thousand one hundred

(6,100) millimeters) long adjacent and parallel to the vehicle pull-up space (see Fig. 10). If there are curbs between the access aisle and the vehicle pull-up space, then a curb ramp complying with section 4.7 shall be provided. Vehicle standing spaces and access aisles shall be level with surface slopes not exceeding 1:50 (two percent (2%)) in all directions, and provide minimum vertical clearance of one hundred fourteen (114) inches (two thousand eight hundred ninety-five (2,895) millimeters) at accessible passenger loading zones and along at least one (1) vehicle access route to such areas from site entrance(s) and exit(s).

4.7 Curb Ramps.

4.7.1 Location. Curb ramps complying with section 4.7 shall be provided wherever an accessible route crosses a curb within the site where a Class 1 building or structure is located.

4.7.2 Slope. Slopes of curb ramps shall comply with section 4.8.2. The slope shall be measured as shown in Fig. 11. Transitions from ramps to walks, gutters, or streets shall be flush and free of abrupt changes. Maximum slopes of adjoining gutters, road surface immediately adjacent to the curb ramp, or accessible route shall not exceed 1:20.

4.7.3 Width. The minimum width of a curb ramp shall be thirty-six (36) inches (nine hundred fifteen (915) millimeters), exclusive of flared sides.

4.7.4 Surface. Surfaces of curb ramps shall comply with section 4.5.

4.7.5 Sides of Curb Ramps. If a curb ramp is located where pedestrians must walk across the ramp, or where it is not protected by handrails or guardrails, it shall have flared sides; the maximum slope of the flare shall be 1:10 (see Fig. 12(a)). Curb ramps with returned curbs may be used where pedestrians would not normally walk across the ramp (see Fig. 12(b)).

4.7.6 Built-up Curb Ramps. Built-up curb ramps shall be located so that they do not project into vehicular traffic lanes (see Fig. 13).

4.7.7 Reserved.

4.7.8 Obstructions. Curb ramps shall be located or protected to prevent their obstruction by parked vehicles.

4.7.9 Location at Marked Crossings. Curb ramps at marked crossings shall be wholly contained within the markings, excluding any flared sides (see Fig. 15).

4.7.10 Diagonal Curb Ramps. If diagonal (or corner type) curb ramps have returned curbs or other well defined edges, such edges shall be parallel to the direction of pedestrian flow. The bottom of diagonal curb ramps shall have forty-eight (48) inches (one thousand two hundred twenty (1,220) millimeters) minimum clear space as show in Fig. 15(c) and (d). If diagonal curb ramps are provided at marked crossings, the forty-eight (48) inches (one thousand two hundred twenty (1,220) millimeters) clear space shall be within the markings (see Fig. 15(c) and (d)). If diagonal curb ramps have flared sides, they shall also have at least a twenty-four (24) inch (six hundred ten (610) millimeters) long segment of straight curb located on each side of the curb ramp and within the marked crossing (see Fig. 15(c)).

4.7.11 Islands. Any raised islands in crossings on the site where a Class 1 structure is located shall be cut through level with the street or have curb ramps at both sides and a level area at least forty-eight (48) inches (one thousand two hundred twenty (1,220) millimeters) long between the curb ramps in the part of the island intersected by the crossing (see Fig. 15(a) and (b)).

4.8 Ramps.

4.8.1 General. Any part of an accessible route with a slope greater than 1:20 shall be considered a ramp and shall comply with section 4.8.

4.8.2 Slope and Rise. The least possible slope shall be used for any ramp. The maximum slope of a ramp shall be 1:12. The maximum rise for any run shall be thirty (30) inches (seven hundred sixty (760) millimeters) (see Fig. 16).

4.8.3 Clear Width. The minimum clear width of a ramp shall be thirty-six (36) inches (nine hundred fifteen (915) millimeters).

4.8.4 Landings. Ramps shall have level landings at bottom and top of each ramp and each ramp run. Landings shall have the following features:

- (1) The landing shall be at least as wide as the ramp run leading to it.
- (2) The landing length shall be a minimum of sixty (60) inches (one thousand five hundred twenty-five (1,525) millimeters) clear.
- (3) If ramps change direction at landings, the minimum landing size shall be sixty (60) inches by sixty (60) inches (one thousand five hundred twenty-five (1,525) millimeters by one thousand five hundred twenty-five (1,525) millimeters).
- (4) If a doorway is located at a landing, then the area in front of the doorway shall comply with section 4.13.6.

4.8.5 Handrails. If a ramp run has a rise greater than six (6) inches (one hundred fifty (150) millimeters) or a horizontal projection greater than seventy-two (72) inches (one thousand eight hundred thirty (1,830) millimeters), then it shall have handrails on both sides. Handrails are not required on curb ramps or adjacent to seating in assembly areas.

Handrails shall comply with section 4.26 and shall have the following features:

- (1) Handrails shall be provided along both sides of ramp segments. The inside handrail on switchback or dogleg ramps shall

always be continuous.

(2) If handrails are not continuous, they shall extend at least twelve (12) inches (three hundred five (305) millimeters) beyond the top and bottom of the ramp segment and shall be parallel with the floor or ground surface (see Fig. 17).

(3) The clear space between the handrail and the wall shall be one and one-half (1½) inches (thirty-eight (38) millimeters).

(4) Gripping surfaces shall be continuous.

(5) Top of handrail gripping surfaces shall be mounted between thirty-four (34) inches and thirty-eight (38) inches (eight hundred sixty-five (865) millimeters and nine hundred sixty-five (965) millimeters) above ramp surfaces.

(6) Ends of handrails shall be either rounded or returned smoothly to floor, wall, or post.

(7) Handrails shall not rotate within their fittings.

4.8.6 Cross Slope and Surfaces. The cross slope of ramp surfaces shall be no greater than 1:50. Ramp surfaces shall comply with section 4.5.

4.8.7 Edge Protection. Ramps and landings with drop-offs shall have curbs, walls, railings, or projecting surfaces that prevent people from slipping off the ramp. Curbs shall be a minimum of two (2) inches (fifty (50) millimeters) high (see Fig. 17).

4.8.8 Outdoor Conditions. Outdoor ramps and their approaches shall be designed so that water will not accumulate on walking surfaces.

4.9 Stairs.

4.9.1 Minimum Number. Stairs required to be accessible by section 4.1 shall comply with section 4.9.

4.9.2 Treads and Risers. On any given flight of stairs, all steps shall have uniform riser heights and uniform tread widths. Stair treads shall be no less than eleven (11) inches (two hundred eighty (280) millimeters) wide measured from riser to riser (see Fig. 18(a)). Open risers are not permitted.

4.9.3 Nosings. The undersides of nosings shall not be abrupt. The radius of curvature at the leading edge of the tread shall be no greater than one-half (½) inch (thirteen (13) millimeters). Risers shall be sloped or the underside of the nosing shall have an angle not less than sixty (60) degrees from the horizontal. Nosings shall project no more than one and one-half (1½) inches (thirty-eight (38) millimeters) (see Fig. 18).

4.9.4 Handrails. Stairways shall have handrails at both sides of all stairs. Handrails shall comply with section 4.26 and shall have the following features:

(1) Handrails shall be continuous along both sides of stairs. The inside handrail on switchback or dogleg stairs shall always be continuous (see Fig. 19(a) and Fig. 19(b)).

(2) If handrails are not continuous, they shall extend at least twelve (12) inches (three hundred five (305) millimeters) beyond the top riser and at least twelve (12) inches (three hundred five (305) millimeters) plus the width of one (1) tread beyond the bottom riser. At the top, the extension shall be parallel with the floor or ground surface. At the bottom, the handrail shall continue to slope for a distance of the width of one (1) tread from the bottom riser; the remainder of the extension shall be horizontal (see Fig. 19(c) and Fig. 19(d)). Handrail extensions shall comply with section 4.4.

(3) The clear space between handrails and wall shall be one and one-half (1½) inches (thirty-eight (38) millimeters).

(4) Gripping surfaces shall be uninterrupted by newel posts, other construction elements, or obstructions.

(5) Top of handrail gripping surfaces shall be mounted between thirty-four (34) inches and thirty-eight (38) inches (eight hundred sixty-five (865) millimeters and nine hundred sixty-five (965) millimeters) above stair nosings.

(6) Ends of handrails shall be either rounded or returned smoothly to floor, wall, or post.

(7) Handrails shall not rotate within their fittings.

4.9.5 Reserved.

4.9.6 Outdoor Conditions. Outdoor stairs and their approaches shall be designed so that water will not accumulate on walking surfaces.

4.10 Elevators.

4.10.1 General. Accessible elevators shall be on an accessible route and shall comply with section 4.10 and with the Indiana Safety Code for Elevators, Escalators, Manlifts, and Hoists (675 IAC 21). Freight elevators shall not be considered as meeting the requirements of this section unless the only elevators provided are used as combination passenger and freight elevators for the public and employees.

4.10.2 Automatic Operation. Elevator operation shall be automatic. Each car shall be equipped with a self-leveling feature that will automatically bring the car to floor landings within a tolerance of one-half (½) inch (thirteen (13) millimeters) under rated loading to zero (0) loading conditions. This self-leveling feature shall be automatic and independent of the operating device and shall correct the overtravel or undertravel.

4.10.3 Hall Call Buttons. Call buttons in elevator lobbies and halls shall be centered at forty-two (42) inches (one thousand sixty-five (1,065) millimeters) above the floor. Such call buttons shall have visual signals to indicate when each call is registered and when each is answered. Call buttons shall be a minimum of three-fourths ($\frac{3}{4}$) inch (nineteen (19) millimeters) in the smallest dimension. The button designating the up direction shall be on top (see Fig. 20). Buttons shall be raised or flush. Objects mounted beneath hall call buttons shall not project into the elevator lobby more than four (4) inches (one hundred (100) millimeters).

4.10.4 Hall Lanterns. A visible and audible signal shall be provided at each hoistway entrance to indicate which car is answering a call. Audible signals shall sound once for the up direction and twice for the down direction or shall have verbal annunciators that say “up” or “down”. Visible signals shall have the following features:

- (1) Hall lantern fixtures shall be mounted so that their centerline is at least seventy-two (72) inches (one thousand eight hundred thirty (1,830) millimeters) above the lobby floor (see Fig. 20).
- (2) Visual elements shall be at least two and one-half ($2\frac{1}{2}$) inches (sixty-four (64) millimeters) in the smallest dimension.
- (3) Signals shall be visible from the vicinity of the hall call button (see Fig. 20). In-car lanterns located in cars, visible from the vicinity of hall call buttons, and conforming to the requirements in subsections (1) and (2) above, shall be acceptable.

4.10.5 Raised and Braille Characters on Hoistway Entrances. All elevator hoistway entrances shall have raised and braille floor designations provided on both jambs. The centerline of the characters shall be sixty (60) inches (one thousand five hundred twenty-five (1,525) millimeters) above finish floor. Such characters shall be two (2) inches (fifty (50) millimeters) high and shall comply with section 4.30.4. Permanently applied plates are acceptable if they are permanently fixed to the jambs (see Fig. 20).

4.10.6 Door Protective and Reopening Device. Elevator doors shall open and close automatically. They shall be provided with a reopening device that will stop and reopen a car door and hoistway door automatically if the door becomes obstructed by an object or a person. The device shall be capable of completing these operations without requiring contact for an obstruction passing through the opening at heights of five (5) inches and twenty-nine (29) inches (one hundred twenty-five (125) millimeters and seven hundred thirty-five (735) millimeters) above finish floor (see Fig. 20). Door reopening devices shall remain effective for at least twenty (20) seconds. After such an interval, doors may close in accordance with the requirements of the Indiana Safety Code for Elevators, Escalators, Manlifts, and Hoists (675 IAC 21).

4.10.7 Door and Signal Timing for Hall Calls. The minimum acceptable time from notification that a car is answering a call until the doors of that car start to close shall be calculated from the following equation:

$$T = D/(1.5 \text{ ft/s})$$

or

$$T = D/(445 \text{ mm/s})$$

Where T equals total time in seconds and D equals distance (in feet or millimeters) from a point in the lobby or corridor sixty (60) inches (one thousand five hundred twenty-five (1,525) millimeters) directly in front of the farthest call button controlling that car to the centerline of its hoistway door (see Fig. 21). For cars with in-car lanterns, T begins when the lantern is visible from the vicinity of hall call buttons and an audible signal is sounded. The minimum acceptable notification time shall be five (5) seconds.

4.10.8 Door Delay for Car Calls. The minimum time for elevator doors to remain fully open in response to a car call shall be three (3) seconds.

4.10.9 Floor Plan for Elevator Cars. The floor area of elevator cars shall provide space for wheelchair users to enter the car, maneuver within reach of controls, and exit from the car. Door openings and inside dimensions shall be as shown in Fig. 22. The clearance between the car platform sill and the edge of any hoistway landing shall be not greater than one and one-fourth ($1\frac{1}{4}$) inches (thirty-two (32) millimeters).

4.10.10 Floor Surfaces. Floor surfaces shall comply with section 4.5.

4.10.11 Illumination Levels. The level of illumination at the car controls, platform, and car threshold and landing sill shall be at least five (5) foot-candles (fifty-three and eight-tenths (53.8) lux).

4.10.12 Car Controls. Elevator control panels shall have the following features:

- (1) Buttons. All control buttons shall be at least three-fourths ($\frac{3}{4}$) inch (nineteen (19) millimeters) in their least dimension. They shall be raised or flush.
- (2) Tactile, Braille, and Visual Control Indicators. All control buttons shall be designated by braille and by raised standard alphabet characters for letter, arabic characters for numerals, or standard symbols as shown in Fig. 23(a), and as required by the Indiana Safety Code for Elevators, Escalators, Manlifts, and Hoists (675 IAC 21). Raised and braille characters and symbols shall comply with section 4.30. The call button for the main entry floor shall be designated by a raised star at the left of the floor designation (see Fig. 23(a)). All raised designations for control buttons shall be placed immediately to the left of the button to which they apply. Applied plates, permanently attached, are an acceptable means to provide raised control

designations. Floor buttons shall be provided with visual indicators to show when each call is registered. The visual indicators shall be extinguished when each call is answered.

(3) Height. All floor buttons shall be no higher than fifty-four (54) inches (one thousand three hundred seventy (1,370) millimeters) above the finish floor for side approach and forty-eight (48) inches (one thousand two hundred twenty (1,220) millimeters) for front approach. Emergency controls, including the emergency alarm and emergency stop, shall be grouped at the bottom of the panel and shall have their centerlines no less than thirty-five (35) inches (eight hundred ninety (890) millimeters) above the finish floor (see Fig. 23(a) and Fig. 23(b)).

(4) Location. Controls shall be located on a front wall if cars have center opening doors, and at the side wall or at the front wall next to the door if cars have side opening doors (see Fig. 23(c) and Fig. 23(d)).

4.10.13 Car Position Indicators. In elevator cars, a visual position indicator shall be provided above the car control panel or over the door to show the position of the elevator in the hoistway. As the car passes or stops at a floor served by the elevators, the corresponding numerals shall illuminate, and an audible signal shall sound. Numerals shall be a minimum of one-half (½) inch (thirteen (13) millimeters) high. The audible signal shall be no less than twenty (20) decibels with a frequency no higher than one thousand five hundred (1,500) Hertz. An automatic verbal announcement of the floor number at which a car stops or which a car passes may be substituted for the audible signal.

4.10.14 Emergency Communications. If provided, emergency two-way communication systems between the elevator and a point outside the hoistway shall comply with the Indiana Safety Code for Elevators, Escalators, Manlifts, and Hoists (675 IAC 21). The highest operable part of a two-way communication system shall be a maximum of forty-eight (48) inches (one thousand two hundred twenty (1,220) millimeters) from the floor of the car. It shall be identified by a raised symbol and lettering complying with section 4.30 and located adjacent to the device. If the system uses a handset, then the length of the cord from the panel to the handset shall be at least twenty-nine (29) inches (seven hundred thirty-five (735) millimeters). If the system is located in a closed compartment, the compartment door hardware shall conform to section 4.27. The emergency intercommunication system shall not require voice communication.

4.11 Platform Lifts (Wheelchair Lifts).

4.11.1 Location. Platform lifts (wheelchair lifts) permitted by section 4.1 shall comply with the requirements of section 4.11.

4.11.2 Requirements. If platform lifts (wheelchair lifts) are used, they shall comply with sections 4.2.4, 4.5, 4.27, and 4.30, and the Indiana Safety Code for Elevators, Escalators, Manlifts, and Hoists (675 IAC 21).

4.11.3 Entrance. If platform lifts are used, they shall facilitate unassisted entry, operation, and exit from the lift in compliance with section 4.11.2.

4.12 Reserved.

4.13 Doors.

4.13.1 General. Doors required to be accessible by section 4.1 shall comply with the requirements of section 4.13.

4.13.2 Revolving Doors and Turnstiles. Revolving doors or turnstiles shall not be the only means of passage at an accessible entrance or along an accessible route. An accessible gate or door shall be provided adjacent to the turnstile or revolving door and shall be so designed as to facilitate the same use pattern.

4.13.3 Gates. Gates, including ticket gates, shall meet all applicable specifications of 4.13.

4.13.4 Double-Leaf Doorways. If doorways have two (2) independently operated door leaves, then at least one (1) leaf shall meet the specifications in sections 4.13.5 and 4.13.6. That leaf shall be an active leaf.

4.13.5 Clear Width. Doorways shall have a minimum clear opening of thirty-two (32) inches (eight hundred fifteen (815) millimeters) with the door open ninety (90) degrees, measured between the face of the door and the opposite stop (see Fig. 24(a), Fig. 24(b), Fig. 24(c), and Fig. 24(d)). Openings more than twenty-four (24) inches (six hundred ten (610) millimeters) in depth shall comply with sections 4.2.1 and 4.3.3 (see Fig. 24(e)).

EXCEPTION: Doors not requiring full user passage, such as shallow closets, may have the clear opening reduced to twenty (20) inches (five hundred ten (510) millimeters) minimum.

4.13.6 Maneuvering Clearances at Doors. Minimum maneuvering clearances at doors that are not automatic or power-assisted shall be as shown in Fig. 25. The floor or ground area within the required clearances shall be level and clear.

EXCEPTION: Entry doors to acute care hospital bedrooms for in-patients shall be exempted from the requirement for space at the latch side of the door (see dimension "x" in Fig. 25) if the door is at least forty-four (44) inches (one thousand one hundred twenty (1,120) millimeters) wide.

4.13.7 Two Doors in Series. The minimum space between two (2) hinged or pivoted doors in series shall be forty-eight (48) inches (one thousand two hundred twenty (1,220) millimeters) plus the width of any door swinging into the space. Doors in series shall

swing either in the same direction or away from the space between the doors (see Fig. 26).

4.13.8 Thresholds at Doorways. Thresholds at doorways shall not exceed three-fourths ($\frac{3}{4}$) inch (nineteen (19) millimeters) in height for exterior sliding doors or one-half ($\frac{1}{2}$) inch (thirteen (13) millimeters) for other types of doors. Raised thresholds and floor level changes at accessible doorways shall be beveled with a slope no greater than 1:2 (see section 4.5.2).

4.13.9 Door Hardware. Handles, pulls, latches, locks, and other operating devices on accessible doors shall have a shape that is easy to grasp with one (1) hand and does not require tight grasping, tight pinching, or twisting of the wrist to operate. Lever-operated mechanisms, push-type mechanisms, and u-shaped handles are acceptable designs. When sliding doors are fully open, operating hardware shall be exposed and usable from both sides. Hardware required for accessible door passage shall be mounted no higher than forty-eight (48) inches (one thousand two hundred twenty (1,220) millimeters) above finished floor.

4.13.10 Door Closers. If a door has a closer, then the sweep period of the closer shall be adjusted so that from an open position of seventy (70) degrees, the door will take at least three (3) seconds to move to a point three (3) inches (seventy-five (75) millimeters) from the latch, measured to the leading edge of the door.

4.13.11 Door Opening Force. The maximum force for pushing or pulling open a door shall be as follows:

Interior hinged doors 5 lbf (22.2N)

Sliding or folding door 5 lbf (22.2N)

EXCEPTION: Door assemblies used in wall assemblies to retard the passage of fire.

These forces do not apply to the force required to retract latch bolts or disengage other devices that may hold the door in a closed position.

4.13.12 Automatic Doors and Power-Assisted Doors. If an automatic door is used, then it shall comply with the UBC Standard No. 10-1 (675 IAC 13-2.3). Slowly opening, low powered, automatic doors shall comply with the UBC Standard No. 10-1 (675 IAC 13-2.3). Such doors shall not open to back check faster than three (3) seconds and shall require no more than fifteen (15) lbf (sixty-six and six-tenths (66.6) N) to stop door movement. If a power-assisted door is used, its door-opening force shall comply with section 4.13.11 and its closing shall conform to the requirements in the UBC Standard No. 10-1 (675 IAC 13-2.3).

4.14 Entrances.

4.14.1 Minimum Number. Entrances required to be accessible by section 4.1 shall be part of an accessible route complying with section 4.3. Such entrances shall be connected by an accessible route to public transportation stops, accessible parking and passenger loading zones, and public streets or sidewalks if available within the site where the Class 1 structure is located (see section 4.3.2(1)). They shall also be connected by an accessible route to all accessible spaces or elements within the building or facility.

4.14.2 Service Entrances. A service entrance shall not be the sole accessible entrance unless it is the only entrance to a building or facility, for example, in a factory or garage.

4.15 Drinking Fountains and Water Coolers.

4.15.1 Minimum Number. Drinking fountains or water coolers required to be accessible by section 4.1 shall comply with section 4.15.

4.15.2 Spout Height. Spouts shall be not higher than thirty-six (36) inches (nine hundred fifteen (915) millimeters), measured from the floor or ground surfaces to the spout outlet (see Fig. 27(a)).

4.15.3 Spout Location. The spouts of drinking fountains and water coolers shall be at the front of the unit and shall direct the water flow in a trajectory that is parallel or nearly parallel to the front of the unit. The spout shall provide a flow of water at least four (4) inches (one hundred (100) millimeters) high so as to allow the intersection of a cup or glass under the flow of water. On an accessible drinking fountain with a round or oval bowl, the spout must be positioned so the flow of water is within three (3) inches (seventy-five (75) millimeters) of the front edge of the fountain.

4.15.4 Controls. Unit controls shall be front-mounted or side-mounted near the front edge, and comply with section 4.27.4.

4.15.5 Clearances.

(1) Wall and post-mounted cantilevered units shall have a clear knee space between the bottom of the apron and the floor or ground at least twenty-seven (27) inches (six hundred eighty-five (685) millimeters) high, thirty (30) inches (seven hundred sixty (760) millimeters) wide, and seventeen (17) inches to nineteen (19) inches (four hundred thirty (430) millimeters to four hundred eighty-five (485) millimeters) deep (see Fig. 27(a) and Fig. 27(b)). Such units shall also have a minimum clear floor space thirty (30) inches by forty-eight (48) inches (seven hundred sixty (760) millimeters by one thousand two hundred twenty (1,220) millimeters) to allow a person in a wheelchair to approach the unit facing forward.

(2) Free-standing or built-in units not having a clear space under them shall have a clear floor space at least thirty (30) inches by forty-eight (48) inches (seven hundred sixty (760) millimeters by one thousand two hundred twenty (1,220) millimeters) that allows a person in a wheelchair to make a parallel approach to the unit (see Fig. 27(c) and Fig. 27(d)). This clear floor

space shall comply with section 4.2.4.

4.16 Water Closets.

4.16.1 General. Accessible water closets shall comply with section 4.16.

4.16.2 Clear Floor Space. Clear floor space for water closets not in stalls shall comply with Fig. 28. Clear floor space may be arranged to allow either a left-handed or right-handed approach.

4.16.3 Height. The height of water closets shall be seventeen (17) inches to nineteen (19) inches (four hundred thirty (430) millimeters to four hundred eighty-five (485) millimeters), measured to the top of the toilet seat (see Fig. 29(b)). Seats shall not be sprung to return to a lifted position.

4.16.4 Grab Bars. Grab bars for water closets not located in stalls shall comply with section 4.26 and Fig. 29. The grab bar behind the water closet shall be thirty-six (36) inches (nine hundred fifteen (915) millimeters) minimum.

4.16.5 Flush Controls. Flush controls shall be hand-operated or automatic and shall comply with section 4.27.4. Controls for flush valves shall be mounted on the wide side of toilet areas no more than forty-four (44) inches (one thousand one hundred twenty (1,120) millimeters) above the floor.

4.17 Toilet Stalls.

4.17.1 Location. Accessible toilet stalls shall be on an accessible route and shall meet the requirements of section 4.17.

4.17.2 Water closets. Water closets in accessible stalls shall comply with section 4.16.

4.17.3 Size and Arrangement. The size and arrangement of the standard toilet stall shall comply with Fig. 30(a), Standard Stall. Standard toilet stalls with a minimum depth of fifty-six (56) inches (one thousand four hundred twenty (1,420) millimeters) (see Fig. 30(a)) shall have wall-mounted water closets. If the depth of a standard toilet stall is increased at least three (3) inches (seventy-five (75) millimeters), then a floor-mounted water closet may be used. Arrangements shown for standard toilet stalls may be reversed to allow either a left-hand or right-hand approach. Additional stalls shall be provided in conformance with section 4.22.4.

4.17.4 Toe Clearances. In standard stalls, the front partition and at least one (1) side partition shall provide a toe clearance of at least nine (9) inches (two hundred thirty (230) millimeters) above the floor. If the depth of the stall is greater than sixty (60) inches (one thousand five hundred twenty-five (1,525) millimeters), then the toe clearance is not required.

4.17.5 Doors. Toilet stall doors, including door hardware, shall comply with section 4.13. If the toilet stall approach is from the latch side of the stall door, clearance between the door side of the stall and any obstruction may be reduced to a minimum of forty-two (42) inches (one thousand sixty-five (1,065) millimeters) (Fig. 30).

4.17.6 Grab Bars. Grab bars complying with the length and positioning shown in Fig. 30(a), Fig. 30(b), and Fig. 30(c) shall be provided. Grab bars may be mounted with any desired method as long as they have a gripping surface at the locations shown and do not obstruct the required clear floor area. Grab bars shall comply with section 4.26.

4.18 Urinals.

4.18.1 General. Accessible urinals shall comply with section 4.18.

4.18.2 Height. Urinals shall be stall-type or wall-hung with an elongated rim at a maximum of seventeen (17) inches (four hundred thirty (430) millimeters) above the finish floor.

4.18.3 Clear Floor Space. A clear floor space thirty (30) inches by forty-eight (48) inches (seven hundred sixty (760) millimeters by one thousand two hundred twenty (1,220) millimeters) shall be provided in front of urinals to allow forward approach. This clear space shall adjoin or overlap an accessible route and shall comply with section 4.2.4. Urinal shields that do not extend beyond the front edge of the urinal rim may be provided with twenty-nine (29) inches (seven hundred thirty-five (735) millimeters) clearance between them.

4.18.4 Flush Controls. Flush controls shall be hand-operated or automatic, and comply with section 4.27.4 and be mounted no more than forty-four (44) inches (one thousand one hundred twenty (1,120) millimeters) above the finish floor.

4.19 Lavatories and Mirrors.

4.19.1 General. The requirements of section 4.19 shall apply to lavatory fixtures, vanities, mirrors, and built-in lavatories.

4.19.2 Height and Clearances. Lavatories shall be mounted with the rim or counter surface no higher than thirty-four (34) inches (eight hundred sixty-five (865) millimeters) above the finish floor and provide a clearance of at least twenty-nine (29) inches (seven hundred thirty-five (735) millimeters) above the finish floor to the bottom of the apron. Knee and toe clearance shall comply with Fig. 31.

4.19.3 Clear Floor Space. A clear floor space thirty (30) inches by forty-eight (48) inches (seven hundred sixty (760) millimeters by one thousand two hundred twenty (1,220) millimeters) complying with section 4.2.4 shall be provided in front of a lavatory to allow forward approach. Such clear floor space shall adjoin or overlap an accessible route and shall extend a maximum of nineteen (19) inches (four hundred eighty-five (485) millimeters) underneath the lavatory (see Fig. 32).

4.19.4 Exposed Pipes and Surfaces. Hot water and drain pipes under lavatories shall be insulated or otherwise configured to protect against contact. There shall be no sharp or abrasive surfaces under lavatories.

4.19.5 Faucets. Faucets shall comply with section 4.27.4. Lever-operated, push-type, and electronically controlled mechanisms are examples of acceptable designs. If self-closing valves are used the faucet shall remain open for at least ten (10) seconds.

4.19.6 Mirrors. Mirrors shall be mounted with the bottom edge of the reflecting surface no higher than forty (40) inches (one thousand fifteen (1,015) millimeters) above the finish floor (see Fig. 31).

4.20 Bathtubs.

4.20.1 General. Accessible bathtubs shall comply with section 4.20.

4.20.2 Floor Space. Clear floor space in front of bathtubs shall be as shown in Fig. 33.

4.20.3 Seat. An in-tub seat or a seat at the head end of the tub shall be provided as shown in Fig. 33 and Fig. 34. The structural strength of seats and their attachments shall comply with section 4.26.3. Seats shall be mounted securely and shall not slip during use.

4.20.4 Grab Bars. Grab bars complying with section 4.26 shall be provided as shown in Fig. 33 and Fig. 34.

4.20.5 Controls. Faucets and other controls complying with section 4.27.4 shall be located as shown in Fig. 34.

4.20.6 Shower Unit. A shower spray unit with a hose at least sixty (60) inches (one thousand five hundred twenty-five (1,525) millimeters) long that can be used both as a fixed shower head and as a hand-held shower shall be provided.

4.20.7 Bathtub Enclosures. If provided, enclosures for bathtubs shall not obstruct controls or transfer from wheelchairs onto bathtub seats or into tubs. Enclosures on bathtubs shall not have tracks mounted on their rims.

4.21 Shower Stalls.

4.21.1 General. Accessible shower stalls shall comply with section 4.21.

4.21.2 Size and Clearance. Except as specified in section 9.1.2, shower stall size and clear floor space shall comply with Fig. 35(a) or 35(b). The shower stall in Fig. 35(a) shall be thirty-six (36) inches by thirty-six (36) inches (nine hundred fifteen (915) millimeters by nine hundred fifteen (915) millimeters). Shower stalls required by section 9.1.2 shall comply with Fig. 57(a) or 57(b). The shower stall in Fig. 35(b) will fit into the space required for a bathtub.

4.21.3 Seat. A seat shall be provided in shower stalls thirty-six (36) inches by thirty-six (36) inches (nine hundred fifteen (915) millimeters by nine hundred fifteen (915) millimeters) and shall be as shown in Fig. 36. The seat shall be mounted seventeen (17) inches to nineteen (19) inches (four hundred thirty (430) millimeters to four hundred eighty-five (485) millimeters) from the bathroom floor and shall extend the full depth of the stall. In a thirty-six (36) inch by thirty-six (36) inch (nine hundred fifteen (915) millimeters by nine hundred fifteen (915) millimeters) shower stall, the seat shall be on the wall opposite the controls. Where a fixed seat is provided in a thirty (30) inch by sixty (60) inch minimum (seven hundred sixty (760) millimeters by one thousand five hundred twenty-five (1,525) millimeters) shower stall, it shall be a folding type and shall be mounted on the wall adjacent to the controls as show in Fig. 57. The structural strength of seats and their attachments shall comply with section 4.26.3.

4.21.4 Grab Bars. Grab bars complying with section 4.26 shall be provided as shown in Fig. 37.

4.21.5 Controls. Faucets and other controls complying with section 4.27.4 shall be located as shown in Fig. 37. In shower stalls thirty-six (36) inches by thirty-six (36) inches (nine hundred fifteen (915) millimeters by nine hundred fifteen (915) millimeters), all controls, faucets, and the shower unit shall be mounted on the side wall opposite the seat.

4.21.6 Shower Unit. A shower spray unit with a hose at least sixty (60) inches (one thousand five hundred twenty-five (1,525) millimeters) long that can be used both as a fixed shower head and as a hand-held shower shall be provided.

EXCEPTION: In unmonitored facilities where vandalism is a consideration, a fixed shower head mounted at forty-eight (48) inches (one thousand two hundred twenty (1,220) millimeters) above the shower floor may be used in lieu of a hand-held shower head.

4.21.7 Curbs. If provided, curbs in shower stalls thirty-six (36) inches by thirty-six (36) inches (nine hundred fifteen (915) millimeters by nine hundred fifteen (915) millimeters) shall be no higher than one-half (½) inch (thirteen (13) millimeters). Shower stalls that are thirty (30) inches by sixty (60) inches (seven hundred sixty (760) millimeters by one thousand five hundred twenty-five (1,525) millimeters) minimum shall not have curbs.

4.21.8 Shower Enclosures. If provided, enclosures for shower stalls shall not obstruct controls or transfer from wheelchairs onto shower seats.

4.22 Toilet Rooms.

4.22.1 Minimum Number. Toilet facilities required to be accessible by section 4.1 shall comply with section 4.22. Accessible toilet rooms shall be on an accessible route.

4.22.2 Doors. All doors to accessible toilet rooms shall comply with section 4.13. Doors shall not swing into the clear floor space

required for any fixture.

4.22.3 Clear Floor Space. The accessible fixtures and controls required in sections 4.22.4, 4.22.5, 4.22.6, and 4.22.7 shall be on an accessible route. An unobstructed turning space complying with section 4.2.3 shall be provided within an accessible toilet room. The clear floor space at fixtures and controls, the accessible route, and the turning space may overlap.

4.22.4 Water Closets. If toilet stalls are provided, then at least one (1) shall be a standard toilet stall complying with section 4.17; where six (6) or more stalls are provided, in addition to the stall complying with section 4.17.3, at least one (1) stall thirty-six (36) inches (nine hundred fifteen (915) millimeters) wide with an outward swinging, self-closing door and parallel grab bars complying with Fig. 30(d) and section 4.26 shall be provided. Water closets in such stalls shall comply with section 4.16. If water closets are not in stalls, then at least one (1) shall comply with section 4.16.

4.22.5 Urinals. If urinals are provided, then at least one (1) shall comply with section 4.18.

4.22.6 Lavatories and Mirrors. If lavatories and mirrors are provided, then at least one (1) shall comply with section 4.19.

4.22.7 Controls and Dispensers. If controls, dispensers, receptacles, or other equipment are provided, then at least one (1) of each shall be on an accessible route and shall comply with section 4.27.

4.23 Bathrooms, Bathing Facilities, and Shower Rooms.

4.23.1 Minimum Number. Bathrooms, bathing facilities, or shower rooms required to be accessible by section 4.1 shall comply with section 4.23 and shall be on an accessible route.

4.23.2 Doors. Doors to accessible bathrooms shall comply with section 4.13. Doors shall not swing into the floor space required for any fixture.

4.23.3 Clear Floor Space. The accessible fixtures required in sections 4.23.4, 4.23.7, 4.23.8, and 4.23.9 shall be on an accessible route. An unobstructed turning space complying with section 4.2.3 shall be provided within an accessible bathroom. The clear floor spaces at fixtures and controls, the accessible route, and the turning space may overlap.

4.23.4 Water Closets. If toilet stalls are provided, then at least one (1) shall be a standard toilet stall complying with section 4.17; where six (6) or more stalls are provided, in addition to the stall complying with section 4.17.3, at least one (1) stall thirty-six inches (nine hundred fifteen (915) millimeters) wide with an outward swinging, self-closing door and parallel grab bars complying with Fig. 30(d) and section 4.26 shall be provided. Water closets in such stalls shall comply with section 4.16. If water closets are not in stalls, then at least one (1) shall comply with section 4.16.

4.23.5 Urinals. If urinals are provided, then at least one (1) shall comply with section 4.18.

4.23.6 Lavatories. If lavatories are provided, then at least one (1) shall comply with section 4.19.

4.23.7 Controls and dispensers. If controls, dispensers, receptacles, or other equipment are provided, then at least one (1) of each shall be on an accessible route and shall comply with section 4.27.

4.23.8 Bathing and Shower Facilities. If tubs or showers are provided, then at least one (1) accessible tub that complies with section 4.20 or at least one (1) accessible shower that complies with 4.21 shall be provided.

4.23.9 Medicine Cabinets. If medicine cabinets are provided, at least one (1) shall be located with a usable shelf no higher than forty-four (44) inches (one thousand one hundred twenty (1,120) millimeters) above the floor space. The floor space shall comply with 4.2.4.

4.24 Sinks.

4.24.1 General. Sinks required to be accessible by section 4.1 shall comply with section 4.24.

4.24.2 Height. Sinks shall be mounted with the counter or rim no higher than thirty-four (34) inches (eight hundred sixty-five (865) millimeters) above the finish floor.

4.24.3 Knee Clearance. Knee clearance that is at least twenty-seven (27) inches (six hundred eighty-five (685) millimeters) high, thirty (30) inches (seven hundred sixty (760) millimeters) wide, and nineteen (19) inches (four hundred eighty-five (485) millimeters) deep shall be provided underneath sinks.

4.24.4 Depth. Each sink shall be a maximum of six and one-half (6½) inches (one hundred sixty-five (165) millimeters) deep.

4.24.5 Clear Floor Space. A clear floor space at least thirty (30) inches by forty-eight (48) inches (seven hundred sixty (760) millimeters by one thousand two hundred twenty (1,220) millimeters) complying with section 4.2.4 shall be provided in front of a sink to allow forward approach. The clear floor space shall be on an accessible route and shall extend a maximum of nineteen (19) inches (four hundred eighty-five (485) millimeters) underneath the sink (see Fig. 32).

4.24.6 Exposed Pipes and Surfaces. Hot water and drain pipes exposed under sinks shall be insulated or otherwise configured so as to protect against contact. There shall be no sharp or abrasive surfaces under sinks.

4.24.7 Faucets. Faucets shall comply with section 4.27.4. Lever-operated, push-type, touch-type, or electronically controlled mechanisms are acceptable designs.

4.25 Storage.

4.25.1 General. Fixed storage facilities such as cabinets, shelves, closets, and drawers required to be accessible by section 4.1 shall comply with section 4.25.

4.25.2 Clear Floor Space. A clear floor space at least thirty (30) inches by forty-eight (48) inches (seven hundred sixty (760) millimeters by one thousand two hundred twenty (1,220) millimeters) complying with section 4.2.4 that allows either a forward or parallel approach by a person using a wheelchair shall be provided at accessible storage facilities.

4.25.3 Height. Accessible storage spaces shall be within at least one (1) of the reach ranges specified in sections 4.2.5 and 4.2.6 (see Fig. 5 and Fig. 6). Clothes rod shelves shall be a maximum of fifty-four (54) inches (one thousand three hundred seventy (1,370) millimeters) above the finish floor for a side approach. Where the distance from the wheelchair to the clothes rod or shelf exceeds ten (10) inches (two hundred fifty-five (255) millimeters) (as in closets without accessible doors) the height and depth to the rod or shelf shall comply with Fig. 38(a) and Fig. 38(b).

4.25.4 Hardware. Hardware for accessible storage facilities shall comply with section 4.27.4. Touch latches and U-shaped pulls are acceptable.

4.26 Handrails, Grab Bars, and Tub and Shower Seats.

4.26.1 General. All handrails, grab bars, and tub and shower seats required to be accessible by sections [sic., section] 4.1, 4.8, 4.9, 4.16, 4.17, 4.20, or 4.21 shall comply with section 4.26.

4.26.2 Size and Spacing of Grab Bars and Handrails. The diameter or width of the gripping surfaces of a handrail or grab bar shall be one and one-fourth (1¼) inches to one and one-half (1½) inches (thirty-two (32) millimeters to thirty-eight (38) millimeters), or the shape shall provide an equivalent gripping surface. If handrails or grab bars are mounted adjacent to a wall, the space between the wall and the grab bar shall be one and one-half (1½) inches (thirty-eight (38) millimeters) (see Fig. 39(a), Fig. 39(b), Fig. 39(c), and Fig. 39(e)). Handrails may be located in a recess if the recess is a maximum of three (3) inches (seventy-five (75) millimeters) deep and extends at least eighteen (18) inches (four hundred fifty-five (455) millimeters) above the top of the rail (see Fig. 39(d)).

4.26.3 Structural Strength. The structural strength of grab bars, tub and shower seats, fasteners, and mounting devices shall meet the following specifications:

- (1) Bending stress in a grab bar or seat induced by the maximum bending moment from the application of two hundred fifty (250) lbf (one thousand one hundred twelve (1,112) N) shall be less than the allowable stress for the material of the grab bar or seat.
- (2) Shear stress induced in a grab bar or seat by the application of two hundred fifty (250) lbf (one thousand one hundred twelve (1,112) N) shall be less than the allowable shear stress for the material of the grab bar or seat. If the connection between the grab bar or seat and its mounting bracket or other support is considered to be fully restrained, then direct and torsional shear stress shall be totaled for the combined shear stress, which shall not exceed the allowable shear stress.
- (3) Shear force induced in a fastener or mounting device from the application of two hundred fifty (250) lbf (one thousand one hundred twelve (1,112) N) shall be less than the allowable lateral load of either the fastener or mounting device or the supporting structure, whichever is the smaller allowable load.
- (4) Tensile force induced in a fastener by a direct tension force of two hundred fifty (250) lbf (one thousand one hundred twelve (1,112) N) plus the maximum moment from the application of two hundred fifty (250) lbf (one thousand one hundred twelve (1,112) N) shall be less than the allowable withdrawal load between the fastener and the supporting structure.
- (5) Grab bars shall not rotate within their fittings.

4.26.4 Eliminating Hazards. A handrail or grab bar shall be free of any sharp or abrasive elements. Edges shall have a minimum radius of one-eighth (⅛) inch (three and two-tenths (3.2) millimeters).

4.27 Controls and Operating Mechanisms.

4.27.1 General. Controls and operating mechanisms required to be accessible by section 4.1 shall comply with section 4.27.

4.27.2 Clear Floor Space. Clear floor space complying with section 4.2.4 that allows a forward or a parallel approach by a person using a wheelchair shall be provided at controls, dispensers, receptacles, and other operable equipment.

4.27.3 Height. The highest operable part of controls, dispensers, receptacles, and other operable equipment shall be placed within at least one (1) of the reach ranges specified in sections 4.2.5 and 4.2.6. Electrical and communications system receptacles on walls shall be mounted no less than fifteen (15) inches (three hundred eighty (380) millimeters) above the floor.

EXCEPTION: These requirements do not apply where the use of special equipment dictates otherwise or where electrical and communications systems receptacles are not normally intended for use by building occupants.

4.27.4 Operation. Controls and operating mechanisms shall be operable with one (1) hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate controls shall be no greater than five (5) lbf (twenty-two and two-

tenths (22.2) N).

4.28 Alarms.

4.28.1 General. Alarm systems, if provided, that are required to be accessible by section 4.1 shall comply with section 4.28. At a minimum, visual signal appliances shall be provided in buildings and facilities in each of the following areas:

- (1) Rest rooms.
- (2) Any other general usage areas, such as:
 - (A) meeting rooms;
 - (B) hallways;
 - (C) lobbies; and
 - (D) any other area for common use.

4.28.2 Audible Alarms. If provided, audible emergency alarms shall produce a sound that exceeds the prevailing equivalent sound level in the room or space by at least fifteen (15) dbA or exceeds any maximum sound level with a duration of sixty (60) seconds by five (5) dbA, whichever is louder. Sound levels for alarm signals shall not exceed one hundred twenty (120) dbA.

4.28.3 Visual Alarms. Visual alarm signal appliances shall be integrated into the building or facility alarm system. If single station audible alarms are provided, then single station visual alarm signals shall be provided. Visual alarm signals shall have the following minimum photometric and location features:

- (1) The lamp shall be a xenon strobe type or equivalent.
- (2) The color shall be clear or nominal white (i.e., unfiltered or clear filtered white light).
- (3) The maximum pulse duration shall be two-tenths (0.2) of one (1) second with a maximum duty cycle of forty percent (40%). The pulse duration is defined as the time interval between initial and final points of ten percent (10%) of maximum signal.
- (4) The intensity shall be a minimum of seventy-five (75) candela.
- (5) The flash rate shall be a minimum of one (1) hertz and maximum of three (3) hertz.
- (6) The appliance shall be placed eighty (80) inches (two thousand thirty (2,030) millimeters) above the highest floor level within the space or six (6) inches (one hundred fifty-two (152) millimeters) below the ceiling, whichever is lower.
- (7) In general, no place in any room or space required to have a visual signal appliance shall be more than fifty (50) feet (fifteen (15) meters) from the signal (in the horizontal plane). In large rooms and spaces exceeding one hundred (100) feet (thirty (30) meters) across, without obstructions six (6) feet (two (2) meters) above the finish floor, such as auditoriums, devices may be placed around the perimeter, spaced a maximum one hundred (100) feet (thirty (30) meters) apart, in lieu of suspending appliances from the ceiling.
- (8) No place in common corridors or hallways in which visual alarm signalling appliances are required shall be more than fifty (50) feet (fifteen (15) meters) from the signal.

4.28.4 Auxiliary Alarms. Dwelling units and sleeping accommodations shall have a visual alarm connected to the building emergency alarm system or shall have a standard one hundred ten (110) volt electrical receptacle into which such an alarm can be connected and a means by which a signal from the building emergency alarm system can trigger such an auxiliary alarm. When visual alarms are in place, the signal shall be visible in all areas of the unit or room. Instructions for use of the auxiliary alarm or receptacle shall be provided.

4.29 Reserved.

4.30 Signage.

4.30.1 General. Signage required to be accessible by section 4.1 shall comply with the applicable provisions of section 4.30.

4.30.2 Character Proportion. Letters and numbers on signs shall have a width-to-height ratio between 3:5 and 1:1 and a stroke-width-to-height ratio between 1:5 and 1:10.

4.30.3 Character Height. Characters and numbers on signs shall be sized according to the viewing distance from which they are to be read. The minimum height is measured using an uppercase X. Lowercase characters are permitted.

Height Above Finished Floor	Minimum Character Height
Suspended or projected overhead in compliance with section 4.4.2	3 in. (75 mm) minimum

4.30.4 Raised and Brailled Characters and Pictorial Symbol Signs (Pictograms). Letters and numerals shall be raised one thirty-second (¹/₃₂) inch, uppercase, sans serif, or simple serif type and shall be accompanied with Grade 2 braille. Raised characters shall be at least five-eighths (⁵/₈) inch (sixteen (16) millimeters) high, but no higher than two (2) inches (fifty (50) millimeters). Pictograms shall be accompanied by the equivalent verbal description placed directly below the pictogram. The border dimension of the pictogram shall be six (6) inches (one hundred fifty-two (152) millimeters) minimum in height.

4.30.5 Finish and Contrast. The characters and background of signs shall be eggshell, matte, or other nonglare finish. Characters and symbols shall contrast with their background, either light characters on a dark background or dark characters on a light background.

4.30.6 Mounting Location and Height. Where permanent identification is provided for rooms and spaces, signs shall be installed on the wall adjacent to the latch side of the door. Where there is no wall space to the latch side of the door, including at double leaf doors, signs shall be placed on the nearest adjacent wall. Mounting height shall be sixty (60) inches (one thousand five hundred twenty-five (1,525) millimeters) above the finish floor to the centerline of the sign. Mounting location for such signage shall be so that a person may approach within three (3) inches (seventy-six (76) millimeters) of signage without encountering protruding objects or standing within the swing of a door.

4.30.7 Symbols of Accessibility.

(1) Facilities and elements required to be identified as accessible by section 4.1 shall use the international symbol of accessibility. The symbol shall be displayed as shown in Fig. 43(a) and Fig. 43(b).

(2) Volume Control Telephones. Telephones required to have a volume control by 4.1.3(17)(b) shall be identified by a sign containing a depiction of a telephone handset with radiating sound waves.

(3) Text Telephones. Text telephones required by section 4.1.3(17)(c) shall be identified by the international TDD symbol (Fig 43(c)). In addition, if a facility has a public text telephone, directional signage indicating the location of the nearest text telephone shall be placed adjacent to all banks of telephones which do not contain a text telephone. Such directional signage shall include the international TDD symbol. If a facility has no banks of telephones, the directional signage shall be provided at the entrance (e.g., in a building directory).

(4) Assistive Listening Systems. In assembly areas where permanently installed assistive listening systems are required by section 4.1.3(19)(b), the availability of such systems shall be identified with signage that includes the international symbol of access for hearing loss (Fig. 43(d)).

4.30.8 Reserved.

4.31 Telephones.

4.31.1 General. Public telephones required to be accessible by section 4.1 shall comply with section 4.31.

4.31.2 Clear Floor or Ground Space. A clear floor or ground space at least thirty (30) inches by forty-eight (48) inches (seven hundred sixty (760) millimeters) by one thousand two hundred twenty (1,220) millimeters) that allows either a forward or parallel approach by a person using a wheelchair shall be provided at telephones (see Fig. 44). The clear floor or ground space shall comply with section 4.2.4. Bases, enclosures, and fixed seats shall not impede approaches to telephones by people who use wheelchairs.

4.31.3 Mounting Height. The highest operable part of the telephone shall be within the reach ranges specified in section 4.2.5 or 4.2.6.

4.31.4 Protruding Objects. Telephones shall comply with section 4.4.

4.31.5 Hearing Aid Compatible and Volume Control Telephones Required by 4.1.

(1) Telephones shall be hearing aid compatible.

(2) Volume controls, capable of a minimum of twelve (12) dbA and a maximum of eighteen (18) dbA above normal shall be provided in accordance with 4.1.3. If an automatic reset is provided then eighteen (18) dbA may be exceeded.

4.31.6 Controls. Telephones shall have pushbutton controls where service for such equipment is available.

4.31.7 Telephone Books. Telephone books, if provided, shall be located in a position that complies with the reach ranges specified in sections 4.2.5 and 4.2.6.

4.31.8 Cord Length. The cord from the telephone to the handset shall be at least twenty-nine (29) inches (seven hundred and thirty-five (735) millimeters) long.

4.31.9 Text Telephones Required by section 4.1.

(1) Text telephones used with a pay telephone shall be permanently affixed within, or adjacent to, the telephone enclosure. If an acoustic coupler is used, the telephone cord shall be sufficiently long to allow connection of the text telephone and the telephone receiver.

(2) Pay telephones designed to accommodate a portable text telephone shall be equipped with a shelf and an electrical outlet within or adjacent to the telephone enclosure. The telephone handset shall be capable of being placed flush on the surface of the shelf. The shelf shall be capable of accommodating a text telephone and shall have six (6) inches (one hundred fifty-two (152) millimeters) minimum vertical clearance in the area where the text telephone is to be placed.

(3) Equivalent facilitation may be provided. For example, a portable text telephone may be made available in a hotel at the registration desk if it is available on a twenty-four (24) hour basis for use with nearby public pay telephones. In this instance, at least one (1) pay telephone shall comply with paragraph 2 of this section. In addition, if an acoustic coupler is used, the telephone handset cord shall be sufficiently long so as to allow connection of the text telephone and the telephone receiver.

Directional signage shall be provided and shall comply with section 4.30.7.

4.32 Fixed or Built-in Seating and Tables.

4.32.1 Minimum Number. Fixed or built-in seating or tables required to be accessible by section 4.1 shall comply with section 4.32.

4.32.2 Seating. If seating spaces for people in wheelchairs are provided at fixed tables or counters, clear floor space complying with section 4.2.4 shall be provided. Such clear floor space shall not overlap knee space by more than nineteen (19) inches (four hundred eighty-five (485) millimeters) (see Fig. 45).

4.32.3 Knee Clearances. If seating for people in wheelchairs is provided at tables or counters, knee spaces at least twenty-seven (27) inches (six hundred eighty-five (685) millimeters) high, thirty (30) inches (seven hundred sixty (760) millimeters) wide, and nineteen (19) inches (four hundred eighty-five (485) millimeters) deep shall be provided (see Fig. 45).

4.32.4 Height of Tables or Counters. The tops of accessible tables and counters shall be from twenty-eight (28) inches to thirty-four (34) inches (seven hundred ten (710) millimeters to eight hundred sixty-five (865) millimeters) above the finish floor or ground.

4.33 Assembly Areas.

4.33.1 Minimum Number. Assembly and associated areas required to be accessible by section 4.1 shall comply with section 4.33.

4.33.2 Size of Wheelchair Locations. Each wheelchair location shall provide minimum clear ground or floor spaces as shown in Fig. 46.

4.33.3 Placement of Wheelchair Locations. Wheelchair areas shall be an integral part of any fixed seating plan and shall be provided so as to provide people with physical disabilities a choice of admission prices and lines of sight comparable to those for members of the general public. They shall adjoin an accessible route that also serves as a means of egress in case of emergency. At least one (1) companion fixed seat shall be provided next to each wheelchair seating area. When the seating capacity exceeds three hundred (300), wheelchair spaces shall be provided in more than one (1) location. Readily removable seats may be installed in wheelchair spaces when the spaces are not required to accommodate wheelchair users.

EXCEPTION: Accessible viewing positions may be clustered for bleachers, balconies, and other areas having sight lines that require slopes of greater than five percent (5%). Equivalent accessible viewing positions may be located on levels having accessible egress.

4.33.4 Surfaces. The ground or floor at wheelchair locations shall be level and shall comply with section 4.5.

4.33.5 Access to Performing Areas. An accessible route shall connect wheelchair seating and locations with performing areas, including stages, arena floors, dressing rooms, locker rooms, and other spaces used by performers.

4.33.6 Placement of Listening Systems. If the listening system provided serves individual fixed seats, then such seats shall be located within a fifty (50) foot (fifteen (15) meters) viewing distance of the stage or playing area and shall have a complete view of the stage or playing area.

4.33.7 Types of Listening Systems. Assistive listening systems (ALS) are intended to augment standard public address and audio systems by providing signals which can be received directly by persons with special receivers or their own hearing aids and which eliminate or filter background noise. The type of assistive listening system appropriate for a particular application depends on the characteristics of the setting, the nature of the program, and the intended audience. Magnetic induction loops, infrared, and radio frequency systems are types of listening systems which are appropriate for various applications.

4.34 Automated Teller Machines.

4.34.1 General. Each machine required to be accessible by section 4.1.3 shall be on an accessible route and shall comply with section 4.34.

4.34.2 Controls. Controls for user activation shall comply with the requirements of section 4.27.

4.34.3 Clearances and Reach Range. Free standing or built-in units not having a clear space under them shall comply with sections 4.27.2 and 4.27.3 and provide for a parallel approach and both a forward and side reach to the unit allowing a person in a wheelchair to access the controls and dispensers.

4.34.4 Equipment for Persons with Vision Impairments. Instructions and all information for use shall be made accessible to and independently usable by persons with vision impairments.

4.35 Dressing and Fitting Rooms.

4.35.1 General. Dressing and fitting rooms required to be accessible by section 4.1 shall comply with section 4.35 and shall be on an accessible route.

4.35.2 Clear Floor Space. A clear floor space allowing a person using a wheelchair to make a one hundred eighty (180) degree turn shall be provided in every accessible dressing room entered through a swinging or sliding door. No door shall swing into any part of the turning space. Turning space shall not be required in a private dressing room entered through a curtained opening at least thirty-two (32) inches (eight hundred fifteen (815) millimeters) wide if clear floor space complying with section 4.2 renders the dressing room usable by a person using a wheelchair.

4.35.3 Doors. All doors to accessible dressing rooms shall be in compliance with section 4.13.

4.35.4 Bench. Every accessible dressing room shall have a twenty-four (24) inch by forty-eight (48) inch (six hundred ten (610) millimeters by one thousand two hundred twenty (1,220) millimeters) bench fixed to the wall along the longer dimension. The bench shall be mounted seventeen (17) inches to nineteen (19) inches (four hundred thirty (430) millimeters to four hundred eighty-five (485) millimeters) above the finish floor. Clear floor space shall be provided alongside the bench to allow a person using a wheelchair to make a parallel transfer onto the bench. The structural strength of the bench and attachments shall comply with section 4.26.3. Where installed in conjunction with showers, swimming pools, or other wet locations, water shall not accumulate upon the surface of the bench and the bench shall have a slip-resistant surface.

4.35.5 Mirror. Where mirrors are provided in dressing rooms of the same use, then in an accessible dressing room, a full-length mirror, measuring at least eighteen (18) inches wide by fifty-four (54) inches high (four hundred sixty (460) millimeters by one thousand three hundred seventy (1,370) millimeters) shall be mounted in a position affording a view to a person on the bench as well as to a person in a standing position.

5.0 Restaurants and Cafeterias.

5.1 General. Except as specified or modified in this section, restaurants and cafeterias shall comply with the requirements of sections 4.1 to 4.35. Where fixed tables (or dining counters where food is consumed but there is no service) are provided, at least five percent (5%), but not less than one (1), of the fixed tables (or a portion of the dining counter) shall be accessible and shall comply with section 4.32 as required in section 4.1.3(18). In establishments where separate areas are designated for smoking and non-smoking patrons, the required number of accessible fixed tables (or counters) shall be proportionally distributed between the smoking and non-smoking areas. Accessible fixed tables (or counters) shall be distributed throughout the space or facility.

5.2 Counters and Bars. Where food or drink is served at counters exceeding thirty-four (34) inches (eight hundred sixty-five (865) millimeters) in height for consumption by customers seated on stools or standing at the counter, a portion of the main counter which is sixty (60) inches (one thousand five hundred twenty-five (1,565) [sic.] millimeters) in length minimum shall be provided in compliance with section 4.32 or service shall be available at accessible tables within the same area.

5.3 Access Aisles. All accessible fixed tables shall be accessible by means of an access aisle at least thirty-six (36) inches (nine hundred fifteen (915) millimeters) clear between parallel edges of tables or between a wall and the table edges.

5.4 Dining Areas. All dining areas, including raised or sunken dining areas, loggias, and outdoor seating areas, shall be accessible. In nonelevator buildings, an accessible means of vertical access to the mezzanine is not required under the following conditions:

- (1) The area of mezzanine seating measures no more than thirty-three percent (33%) of the area of the total accessible seating area.
- (2) The same services and decor are provided in an accessible space usable by the general public.
- (3) The accessible areas are not restricted to use by people with disabilities.

5.5 Food Service Lines. Food service lines shall have a minimum clear width of thirty-six (36) inches (nine hundred fifteen (915) millimeters), with a preferred clear width of forty-two (42) inches (one thousand sixty-five (1,065) millimeters) to allow passage around a person using a wheelchair. Tray slides shall be mounted no higher than thirty-four (34) inches (eight hundred sixty-five (865) millimeters) above the floor (see Fig. 53). If self-service shelves are provided, at least fifty percent (50%) of each type must be within reach ranges specified in sections 4.2.5 and 4.2.6.

5.6 Tableware and Condiment Areas. Self-service shelves and dispensing devices for tableware, dishware, condiments, food, and beverages shall be installed to comply with section 4.2 (see Fig. 54).

5.7 Raised Platforms. In banquet rooms or spaces where a head table or speaker's lectern is located on a raised platform, the platform shall be accessible in compliance with section 4.8 or 4.11. Open edges of a raised platform shall be protected by placement of tables or by a curb.

5.8 Vending Machines and Other Equipment. Spaces for vending machines and other equipment shall comply with section 4.2 and shall be located on an accessible route.

5.9 Reserved.

6.0 Medical Care Facilities.

6.1 General. Medical care facilities included in this section are those in which people receive physical or medical treatment or care and where persons may need assistance in responding to an emergency and where the period of stay may exceed twenty-four (24) hours. In addition to the requirements of sections 4.1 through 4.35, medical care facilities and buildings shall comply with section 6.0.

- (1) Hospitals: General Purpose Hospitals, Psychiatric Facilities, Detoxification Facilities. At least ten percent (10%) of patient bedrooms and toilets and all public use and common use areas are required to be designed and constructed to be accessible.
- (2) Hospitals and Rehabilitation Facilities that Specialize in Treating Conditions that Affect Mobility, or Units Within Either that Specialize in Treating Conditions that Affect Mobility. All patient bedrooms and toilets and all public use and common

use areas are required to be designed and constructed to be accessible.

(3) Long Term Care Facilities, Nursing Homes. At least fifty percent (50%) of patient bedrooms and toilets and all public use and common use areas are required to be designed and constructed to be accessible.

(4) Reserved.

6.2 Entrances. At least one (1) accessible entrance that complies with section 4.14 shall be protected from the weather by canopy or roof overhang. Such entrances shall incorporate a passenger loading zone that complies with section 4.6.6.

6.3 Patient Bedrooms. Provide accessible patient bedrooms in compliance with sections 4.1 through 4.35. Accessible patient bedrooms shall comply with the following:

(1) Each bedroom shall have a door that complies with section 4.13.

EXCEPTION: Entry doors to acute care hospital bedrooms for in-patients shall be exempted from the requirement in section 4.13.6 for maneuvering space at the latch side of the door if the door is at least forty-four (44) inches (one thousand one hundred twenty (1,120) millimeters) wide.

(2) Each bedroom shall have adequate space to provide a maneuvering space that complies with section 4.2.3.

(3) Each bedroom shall have adequate space to provide a minimum clear floor space of thirty-six (36) inches (nine hundred fifteen (915) millimeters) along each side of the bed and to provide an accessible route complying with section 4.3.3 to each side of each bed.

6.4 Patient Toilet Rooms. Where toilet/bath rooms are provided as a part of a patient bedroom, each patient bedroom that is required to be accessible shall have an accessible toilet/bath room that complies with section 4.22 or section 4.23 and shall be on an accessible route.

7.0 Business and Mercantile.

7.1 General. In addition to the requirements of sections 4.1 to 4.35, the design of all areas used for business transactions with the public shall comply with section 7.0.

7.2 Sales and Service Counters, Teller Windows, Information Counters.

(1) In department stores and miscellaneous retail stores where counters have cash registers and are provided for sales or distribution of goods or services to the public, at least one (1) of each type shall have a portion of the counter which is at least thirty-six (36) inches (nine hundred fifteen (915) millimeters) in length with a maximum height of thirty-six (36) inches (nine hundred fifteen (915) millimeters) above the finish floor. It shall be on an accessible route complying with section 4.3. The accessible counters must be dispersed throughout the building or facility.

(2) At ticketing counters, teller stations in a bank, registration counters in hotels and motels, box office ticket counters, and other counters that may not have a cash register but at which goods or services are sold or distributed, either:

(i) a portion of the main counter which is a minimum of thirty-six (36) inches (nine hundred fifteen (915) millimeters) in length shall be provided with a maximum height of thirty-six (36) inches (nine hundred fifteen (915) millimeters); or

(ii) an auxiliary counter with a maximum height of thirty-six (36) inches (nine hundred fifteen (915) millimeters) in close proximity to the main counter shall be provided; or

(iii) equivalent facilitation shall be provided (e.g., at a hotel registration counter, equivalent facilitation might consist of: (1) provision of a folding shelf attached to the main counter on which an individual with disabilities can write, and

(2) use of the space on the side of the counter or at the concierge desk, for handing materials back and forth).

All accessible sales and service counters shall be on an accessible route complying with 4.3.

(3) Reserved.

7.3 Check-Out Aisles.

(1) Accessible check-out aisles shall be provided in conformance with the table below:

Total Check-Out Aisles of Each Design	Minimum Number of Accessible Check-Out Aisles (of each design)
1-4	1
5-8	2
8-15	3
Over 15	3, plus 20% of additional aisles

EXCEPTION: Where the selling space is under five thousand (5,000) square feet, only one (1) check-out aisle is required to be accessible.

Examples of check-out aisles of different “design” include those which are specifically designed to serve different functions. Different “design” includes, but is not limited to, the length of belt or no belt, or permanent signage designating the aisle as an express lane.

(2) Clear aisle width for accessible check-out aisles shall comply with section 4.2.1 and maximum adjoining counter height shall not exceed thirty-eight (38) inches (nine hundred sixty-five (965) millimeters) above the finish floor. The top of the lip shall not exceed forty (40) inches (one thousand fifteen (1,015) millimeters) above the finish floor.

(3) Signage identifying accessible check-out aisles shall comply with section 4.30.7 and shall be mounted above the check-out aisle in the same location where the check-out number or type of check-out is displayed.

7.4 Security Bollards. Any device used to prevent the removal of shopping carts from store premises shall not prevent access or egress to people in wheelchairs. An alternate entry that is equally convenient to that provided for the ambulatory population is acceptable.

8.0 Libraries.

8.1 General. In addition to the requirements of sections 4.1 to 4.35, the design of all public areas of a library shall comply with section 8.0, including reading and study areas, stacks, reference rooms, reserve areas, and special facilities or collections.

8.2 Reading and Study Areas. At least five percent (5%) or a minimum of one (1) of each element of fixed seating, tables, or study carrels shall comply with sections 4.2 and 4.32. Clearances between fixed accessible tables and between study carrels shall comply with section 4.3.

8.3 Check-out Areas. At least one (1) lane at each check-out area shall comply with section 7.2(1). Any traffic control or book security gates or turnstiles shall comply with section 4.13.

8.4 Card Catalogs and Magazine Displays. Minimum clear aisle space at card catalogs and magazine displays shall comply with Fig. 55. Maximum reach height shall comply with section 4.2, with a height of forty-eight (48) inches (one thousand two hundred twenty (1,220) millimeters) preferred irrespective of approach allowed.

8.5 Stacks. Minimum clear aisle width between stacks shall comply with section 4.3, with a minimum clear aisle width of forty-two (42) inches (one thousand sixty-five (1,065) millimeters) preferred where possible. Shelf height in stack areas is unrestricted (see Fig. 56).

9.0 Accessible Transient Lodging. Except as specified in the special technical provisions of this section, accessible transient lodging shall comply with the applicable requirements of sections 4.1 through 4.35. Transient lodging includes facilities or portions thereof used for sleeping accommodations, when not classed as a medical care facility.

9.1 Hotels, Motels, Inns, Boarding Houses, Dormitories, Resorts, and Other Similar Places of Transient Lodging.

9.1.1 General. All public use and common use areas are required to be designed and constructed to comply with section 4.0.

EXCEPTION: Sections 9.1 through 9.4 do not apply to an establishment located within a building that contains not more than five (5) rooms for rent or hire and that is actually occupied by the proprietor of such establishment as the residence of such proprietor.

9.1.2 Accessible Units, Sleeping Rooms, and Suites. Accessible sleeping rooms or suites that comply with the requirements of section 9.2 shall be provided in conformance with the table below. In addition, in hotels of fifty (50) or more sleeping rooms or suites that include roll-in showers shall also be provided in conformance with the table below. In addition, in hotels, of fifty (50) or more sleeping rooms or suites, additional accessible sleeping rooms or suites that include a roll-in shower shall also be provided in conformance with the table below. Such accommodations shall comply with the requirements of sections 9.2, 4.21, and Fig. 57(a) or 57(b).

Number of Rooms	Accessible Rooms	Rooms with Roll-In Showers
1 to 25	1	
26 to 50	2	
51 to 75	3	1
76 to 100	4	1
101 to 150	5	2
151 to 200	6	2
201 to 300	7	3
301 to 400	8	4
401 to 500	9	4 plus 1 for each additional 100 over 400
501 to 1,000	2% of total	
1,001 and over	20 plus 1 for each 100 over 1,000	

9.1.3 Sleeping Accommodations for Persons with Hearing Impairments. In addition to those accessible sleeping rooms and suites required by section 9.1.2, sleeping rooms and suites that comply with section 9.3 (Visual Alarms, Notification Devices, and Telephones) shall be provided in conformance with the following table:

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Number of Elements	Accessible Elements
1 to 2	1
26 to 50	2
51 to 75	3
76 to 100	4
101 to 150	5
151 to 200	6
201 to 300	7
301 to 400	8
401 to 500	9
501 to 1,000	2% of total
1,001 and over	20 plus 1 for each 100 over 1,000

9.1.4 Classes of Sleeping Accommodations.

(1) In order to provide persons with disabilities a range of options equivalent to those available to other persons served by the facility, sleeping rooms and suites required to be accessible by section 9.1.2 shall be dispersed among the various classes of sleeping accommodations available to patrons of the place of transient lodging. Factors to be considered include room size, cost, amenities provided, and the number of beds provided.

(2) Equivalent Facilitation. For purposes of this section, it shall be deemed equivalent facilitation if the operator of a facility elects to limit construction of accessible rooms to those intended for multiple occupancy, provided that such rooms are made available at the cost of a single-occupancy room to an individual with disabilities who requests a single-occupancy room.

9.1.5 Reserved.

9.2 Requirements for Accessible Units, Sleeping Rooms, and Suites.

9.2.1 General. Accessible units, sleeping rooms, and suites required to be accessible by section 9.1 shall comply with section 9.2.

9.2.2 Minimum Requirements. An accessible unit, sleeping room, or suite shall be on an accessible route complying with section 4.3 and have the following accessible elements and spaces.

(1) Accessible sleeping rooms shall have a thirty-six (36) inch (nine hundred fifteen (915) millimeter) clear width maneuvering space located along both sides of a bed, except that where two (2) beds are provided, this requirement can be met by providing a thirty-six (36) inch (nine hundred fifteen (915) millimeter) wide maneuvering space located between the two (2) beds.

(2) An accessible route complying with section 4.3 shall connect all accessible spaces and elements including telephones within the unit, sleeping room, or suite. This is not intended to require an elevator in multistory units as long as the spaces identified in section 9.2.2(6) and 9.2.2(7) are accessible levels and the accessible sleeping area is suitable for dual occupancy.

(3) Doors and doorways designed to allow passage into and within all sleeping rooms, suites, or other covered units shall comply with section 4.13.

(4) If fixed or built-in storage facilities such as cabinets, shelves, closets, and drawers are provided in accessible spaces, at least one (1) of each type provided shall contain storage space complying with section 4.25. Additional storage may be provided outside of the dimensions required by section 4.25.

(5) All controls in accessible units, sleeping rooms, and suites shall comply with section 4.27.

(6) Where provided as part of an accessible unit, sleeping room, or suite, the following spaces shall be accessible and shall be on an accessible route:

- (a) The living area.
- (b) The dining area.
- (c) At least one (1) sleeping area.
- (d) The patio, terrace, or balcony area.

EXCEPTION: The requirements of section 4.13.8 and section 4.3.8 do not apply where it is necessary to utilize a higher door threshold or a change in level to protect the integrity of the unit from wind/water damage. Where this exception results in a patio, terrace, or balcony area that is not at an accessible level, equivalent facilitation shall be provided, for example, equivalent facilitation of a hotel patio or balcony might consist of providing raised decking or a ramp to provide accessibility.

- (e) At least one (1) full bathroom (i.e., one (1) with a water closet, a lavatory, and a bathtub or shower).

(f) If only half baths are provided, at least one (1) half bath.

(g) Carports, garages, or parking spaces.

(7) Kitchens, Kitchenettes, or Wet Bars. When provided as accessory to a sleeping room or suite, kitchens, kitchenettes, wet bars, or similar amenities shall be accessible. Clear floor space for a front or parallel approach to cabinets, counters, sinks, and appliances shall be provided to comply with section 4.2.4. Countertops and sinks shall be mounted at a maximum height of thirty-four (34) inches (eight hundred sixty-five (865) millimeters) above the floor. At least fifty percent (50%) of shelf space in cabinets or refrigerator/freezers shall be within the reach ranges of 4.2.5 or 4.2.6 and space shall be designed to allow for the operation of cabinet and/or appliance doors so that all cabinets and appliances are accessible and usable. Controls and operating mechanisms shall comply with 4.27.

(8) Sleeping room accommodations for persons with hearing impairments required by 9.1 and complying with 9.3 shall be provided in the accessible sleeping room or suite.

9.3 Visual alarms, Notification Devices and Telephones.

9.3.1 General. In sleeping rooms required to comply with this section, auxiliary visual alarms shall be provided and shall comply with 4.28.4. Visual notification devices shall also be provided in units, sleeping rooms, and suites to alert room occupants of incoming telephone calls and a door knock or bell. Notification devices shall not be connected to auxiliary visual alarm signal appliances. Permanently installed telephones shall have volume controls complying with 4.31.5: an accessible electrical outlet within four (4) feet (one thousand two hundred twenty (1,220) millimeters) of a telephone connection shall be provided to facilitate the use of a text telephone.

9.3.2 Equivalent Facilitation. For purposes of this section, equivalent facilitation shall include the installation of electrical outlets (including outlets connected to a facility's central alarm system) and telephone wiring in sleeping rooms and suites to enable persons with hearing impairments to utilize portable visual alarms and communication devices provided by the operator of the facility.

9.4 Other Sleeping Rooms and Suites. Doors and doorways designed to allow passage into and within all sleeping units or other covered units shall comply with 4.13.5.

9.5 Transient Lodging in Homeless Shelters, Halfway Houses, Transient Group Homes, and Other Social Service Establishments.

9.5.1 New Construction. In new construction, all public use and common use areas are required to be designed and constructed to comply with section 4. At least one (1) of each type of amenity (such as washers, dryers, and similar equipment installed for the use of occupants) in each common area shall be accessible and shall be located on an accessible route to any accessible unit or sleeping accommodation.

EXCEPTION: Where elevators are not provided as allowed in 4.1.3(5), accessible amenities are not required on inaccessible floors as long as one (1) of each type is provided in common areas on accessible floors.

9.5.2 Reserved.

9.5.3 Accessible Sleeping Accommodations in New Construction. Accessible sleeping rooms shall be provided in conformance with the table in 9.1.2 and shall comply with 9.2 Accessible Units, Sleeping Rooms and Suites (where the items are provided). Additional sleeping rooms that comply with 9.3 Sleeping Accommodations for Persons with Hearing Impairments shall be provided in conformance with the table provided in 9.1.3. In facilities with multi-bed rooms or spaces, a percentage of the beds equal to the table provided in 9.1.2 shall comply with 9.2.2(1).

10.0 Reserved.

11.0 Children's Facilities.

11.1 Application. This section applies to facilities, or portion of facilities, constructed according to children's dimensions and anthropometrics for ages 2 through 12. Facilities covered by this section shall comply with the applicable requirements of 4.1 through 4.35 and the special application sections, except as modified or otherwise provided in this section. All public and common use areas covered by this section are required to be designed and constructed to comply with 4.1 through 4.35, except as modified or otherwise provided in this section. Accessible elements and spaces covered by this section shall be on an accessible route complying with 4.3, 11.3, and 11.4. The specifications in this section are based on children's dimensions and anthropometrics.

The phrase "constructed according to children's dimensions and anthropometrics" means where the construction of a facility reflects the size and dimensions, reach ranges, level of strength and stamina, or other characteristics of children. Facilities constructed that do not reflect children's characteristics are not covered by this section.

11.2 Reach Ranges.

11.2.1 General. The requirements in 4.2.5 and 4.2.6 are modified by the following provisions.

11.2.2 Forward and Side Reach. The high forward or high side reach, and the low forward or low side reach shall comply with A, B, or C in the table below. Selection A, B, or C should correspond to the age range of the primary user group.

Forward and Side Reach

A (ages 2 through 4):	High Reach (not more than)—36 inches Low Reach (not less than)—20 inches
B (ages 5 through 8):	High Reach—40 inches Low Reach—18 inches
C (ages 9 through 12):	High Reach—44 inches Low Reach—16 inches

11.3 Protruding Objects. The requirements in 4.4.1 are modified by 11.3. Objects projecting from walls with their leading edges between twelve (12) inches and eighty (80) inches (three hundred five (305) millimeters and two thousand thirty (2,030) millimeters) above the finish floor shall protrude no more than four (4) inches (one hundred (100) millimeters) into walks, halls, corridors, passageways, or aisles. Objects mounted with their leading edges at or below twelve (12) inches (three hundred five (305) millimeters) above the finish floor may protrude any amount. Free-standing objects mounted on posts or pylons may overhang twelve (12) inches (three hundred five (305) millimeters) maximum from twelve (12) inches to eighty (80) inches (three hundred five (305) millimeters) to two thousand thirty (2,030) millimeters) above the ground or finish floor. Protruding objects shall not reduce the clear width of an accessible route or maneuvering space.

11.4 Handrails at Ramps and Stairs.

11.4.1 General. In addition to the handrails required by 4.8 and 4.9, a second set of handrails shall be provided complying with 4.8.5 or 4.9.4 and 4.26.2, except as modified by the following provisions.

11.4.2 Height. The top of handrail gripping surfaces shall be mounted between twenty (20) inches and twenty-eight (28) inches (five hundred ten (510) millimeters and seven hundred ten (710) millimeters) above ramp surfaces on stair nosings.

11.4.3 Size. The gripping surfaces of handrails shall have a diameter or width of one (1) inch to one and one-fourth (1¼) inches (twenty-five (25) millimeters to thirty (30) millimeters), or the shape shall provide an equivalent gripping surface.

11.5 Drinking Fountains and Water Coolers.

11.5.1 General. Drinking fountains or water coolers required to be wheelchair accessible by 4.1 shall comply with 4.15, except as modified by 11.5. The requirements in 4.15.2 and 4.15.5 are modified by the following provisions.

11.5.2 Spout Height. Spouts shall be higher than thirty (30) inches (seven hundred sixty (760) millimeters), measured from the floor or ground surface to the spout outlet.

11.5.3 Clearances. Wall-mounted and post-mounted cantilevered units shall have a clear knee space between the bottom of the apron and the floor or ground at least twenty-four (24) inches (six hundred ten (610) millimeters) high and eight (8) inches (two hundred five (205) millimeters) deep, measured from the leading edge of the fountain. Clear toe space shall be twelve (12) inches (three hundred five (305) millimeters) high minimum, measured from the finish floor. Such units shall also have a minimum clear floor space thirty (30) inches by forty-eight (48) inches (seven hundred sixty (760) millimeters by one thousand two hundred twenty (1,220) millimeters) to allow a forward approach to the unit. The clear floor space may extend a maximum of fourteen (14) inches (three hundred five (305) mm) underneath the fountain.

11.6 Water Closets, Toilet Seats, Grab Bars, and Toilet Paper Dispensers.

11.6.1 General. Water closets required to be accessible by 4.22.4 shall comply with 4.16, except as modified by 11.6. The requirements in 4.16 and 4.26.2 are modified by the following provisions.

11.6.2 Placement. The centerline and seat height of the water closet and the centerline height of the grab bars and toilet paper dispenser shall comply with A, B, or C in the table below. Selection of A, B, or C should correspond *[sic.]* to the age range of the primary user group. The centerline of water closets shall be measured from one (1) side wall or stall partition.

Specifications for Water Closets, Toilet Seats, Grab Bars, and Toilet Paper Dispensers

- A: Ages 2 through 4
 - Water closet centerline—12 inches
 - Toilet seat height—11 inches to 12 inches
 - Grab bar height—18 inches to 20 inches
 - Dispenser height—14 inches
- B: Ages 5 through 8
 - Water closet height—12 inches to 15 inches
 - Toilet seat height—12 inches to 15 inches

Grab bar height—20 inches to 25 inches

Dispenser height—14 inches to 17 inches

C: Ages 9 through 12

Water closet height—15 inches to 18 inches

Toilet seat height—15 inches to 17 inches

Grab bar height—25 inches to 27 inches

Dispenser height—17 inches to 19 inches

11.6.3 Grab Bar Size. The diameter or width of the gripping surface of a grab bar shall be one (1) inch to one and one-fourth (1¼) inches (twenty-five (25) mm to thirty (30) mm), or the shape shall have an equivalent gripping surface.

11.6.4 Flush Controls. Flush controls shall be located within the reach ranges *[sic.]* specified by 11.2.

11.7 Toilet Stalls.

11.7.1 General. Toilet stalls required to be accessible by 4.22.4 shall comply with 4.17, except as modified by 11.7. The requirements in 4.17.2, 4.17.3, 4.17.4, 4.17.6, and 4.26.2 are modified by the following provisions.

11.7.2 Water Closets. Water closets in accessible stalls shall comply with 11.6.

11.7.3 Depth. Standard stalls with floor-or-wall-mounted water closets shall have a depth of fifty-nine (59) inches (one thousand five hundred (1,500) millimeters) minimum. Standard stalls at the end of a row with floor-or-wall-mounted water closets shall have a depth of fifty-nine (59) inches (one thousand five hundred (1,500) millimeters) in addition to the minimum thirty-six (36) inches (nine hundred fifteen (915) millimeters) required for the stall door.

11.7.4 Toe Clearance. In standard stalls of minimum dimension, the front partition and at least one (1) side partition shall provide a toe clearance of twelve (12) inches (three hundred five (305) millimeters) minimum above the finish floor. If the depth of the stall is greater than sixty (60) inches (one thousand five hundred twenty-five (1,525) millimeters), then the toe space is not required.

11.7.5 Grab Bars. Grab bar mounting heights shall comply with the heights specified in 11.6. The diameter or width of the gripping surfaces of a grab bar shall be one (1) inch to one and one-fourth (1¼) inches (twenty-five (25) millimeters to thirty (30) millimeters), or the shape shall provide an equivalent gripping surface.

11.8 Lavatories and Mirrors.

11.8.1 General. Lavatories and mirrors required to be accessible by 4.22.6 and 4.23.6 shall comply with 4.19, except as modified by 11.8. The requirements in 4.19.2, 4.19.3, and 4.19.6 are modified by the following provisions.

11.8.2 Height and Clearances. Lavatories shall be mounted with the rim or counter surface no higher *[sic.]* than thirty (30) inches (seven hundred sixty (760) millimeters) above the finish floor. A clearance of twenty-seven (27) inches (six hundred eighty-five (685) millimeters) minimum measured from the finish floor to the bottom of the apron shall be provided. Minimum clear knee space twenty-four (24) inches (six hundred ten (610) millimeters) high, measured from the finish floor, and eight (8) inches (two hundred five (205) millimeters) deep, measured from the leading edge of the lavatory, shall be provided. Clear toe space shall be twelve (12) inches (three hundred five (305) millimeters) high minimum, measured from the finish floor.

11.8.3 Clear Floor Space. Clear floor space shall extend a maximum of fourteen (14) inches (three hundred fifty-five (355) millimeters) underneath the lavatory.

11.8.4 Mirrors. Mirrors shall be mounted with the bottom edge of the reflecting surface no higher than thirty-four (34) inches (eight hundred sixty-five (865) millimeters) above the finish floor.

11.9 Storage.

11.9.1 General. Fixed storage facilities such as lockers, cabinets, shelves, closets, and drawers required to be accessible by 4.1 shall comply with 4.25, except as modified by 11.9. The requirements in 4.25.3 are modified by the following provisions.

11.9.2 Height. Accessible storage spaces shall be within at least one (1) of the reach ranges specified in 11.2. Clothes rods, hooks, or shelves shall be a maximum of thirty-six (36) inches (nine hundred fifteen (915) mm) above the finish floor for a side approach.

11.10 Fixed or Built-in Seating and Tables.

11.10.1 General. Fixed or built-in seating or tables required to be accessible by 4.1 shall comply with 4.32, except as modified by 11.10. The requirements in 4.32.2, 4.32.3, and 4.32.4 are modified by the following provisions.

11.10.2 Seating. Clear floor space shall not overlap knee space by more than fourteen (14) inches (three hundred fifty-five (355) millimeters).

11.10.3 Knee Clearances. Knee clearance at least twenty-four (24) inches (six hundred ten (610) millimeters) high, thirty (30) inches (seven hundred sixty (760) millimeters) wide, and fourteen (14) inches (three hundred fifty-five (355) millimeters) deep shall be provided.

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11.10.4 Height of Tables or Counters. The tops of accessible tables and counters shall be from twenty-six (26) inches to thirty (30) inches (six hundred sixty (660) millimeters to seven hundred sixty (760) millimeters) above the finish floor or ground.

[The following tables and figures were printed with the best available copy provided by the fire prevention and building safety commission.]

Table I
Graphic Conventions

Convention	Description
	Typical dimension line showing U.S. customary units (in inches) above the line and SI units (in millimeters) below
	Dimension line for short dimension indicated on extended line
	Dimension line showing alternate dimensions required
	Direction of approach
	Maximum
	Minimum
	Boundary of clear floor area
	Centerline

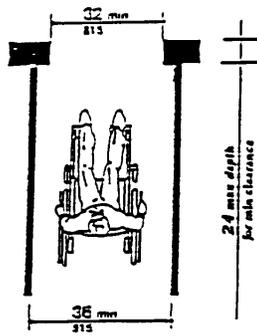


Fig. 1
Minimum Clear Width
for Single Wheelchair

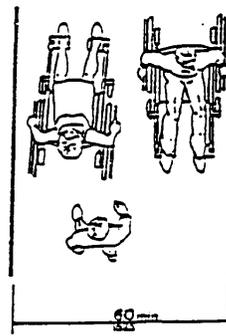


Fig. 2
Minimum Clear Width
for Two Wheelchairs

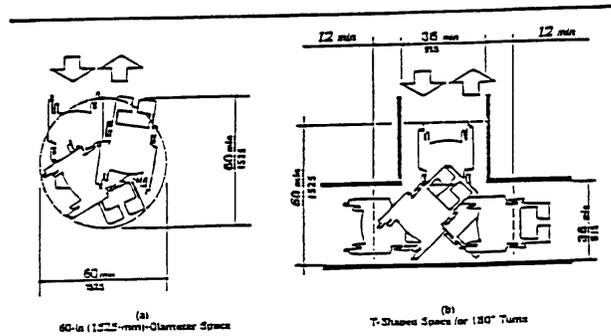
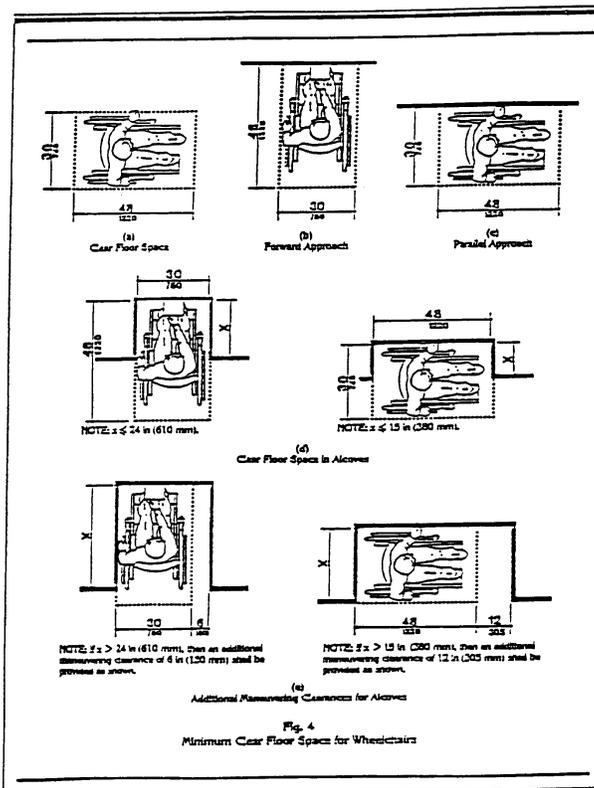
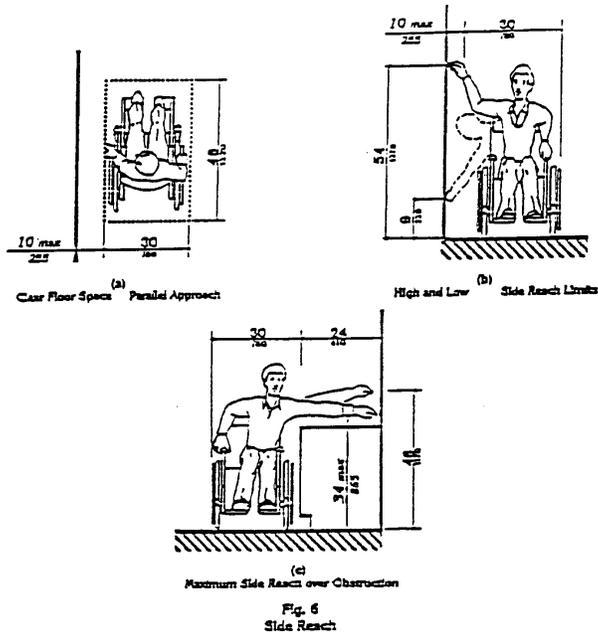
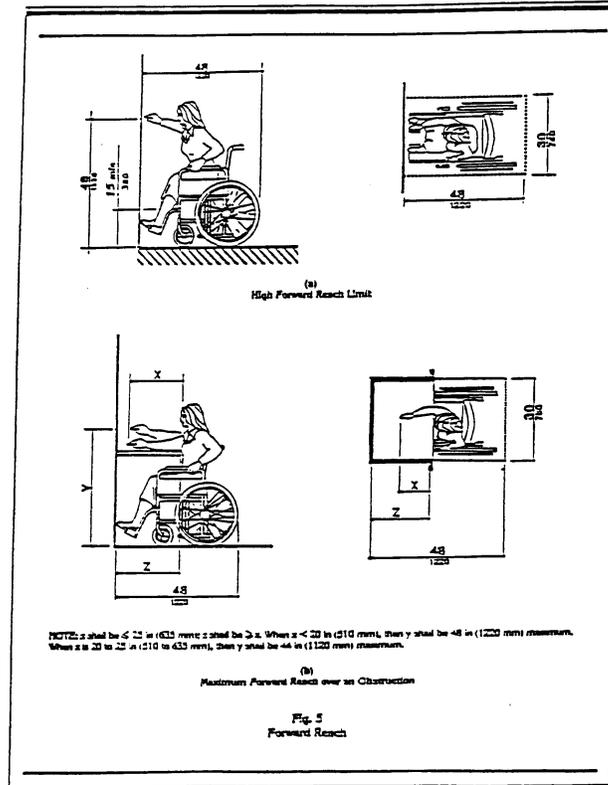
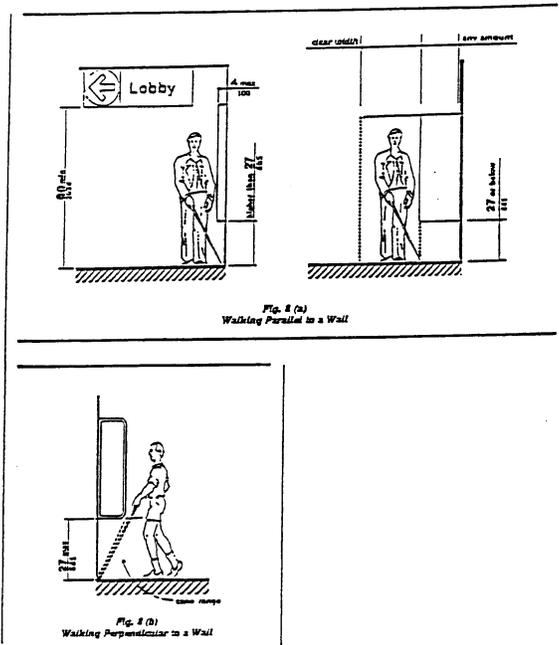
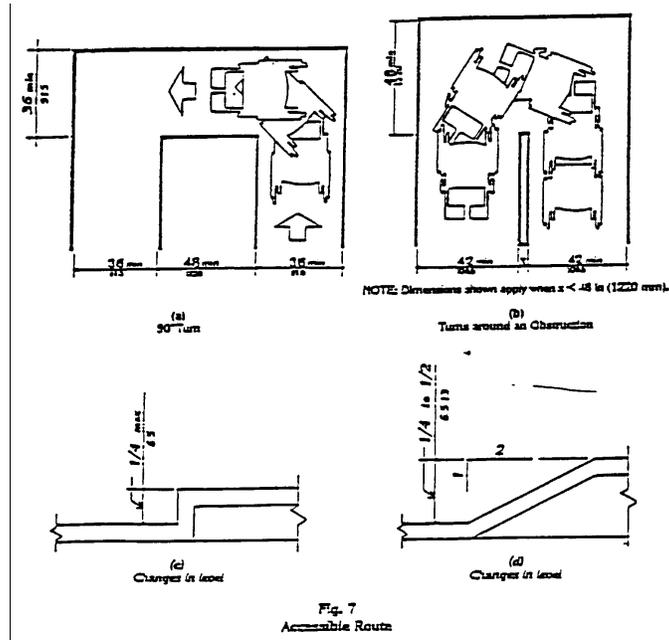


Fig. 3
Wheelchair Turning Space







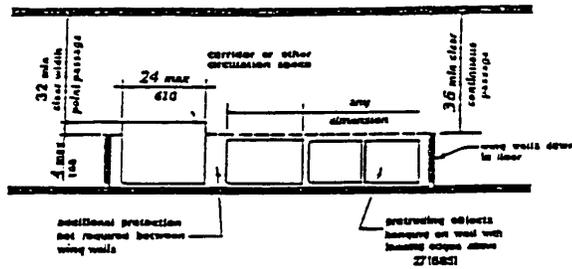
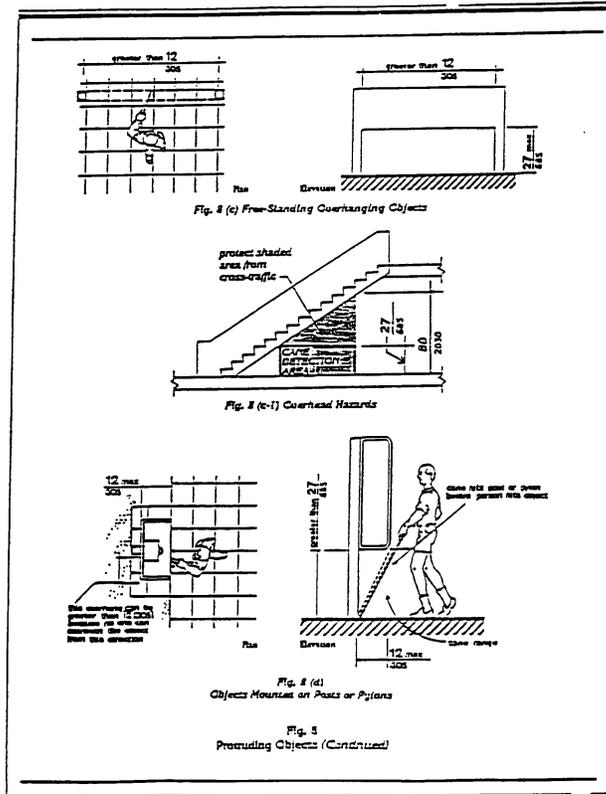


Fig. 8 (e)
Example of Protection around Wall-Mounted Objects and Measurements of Clear Widths

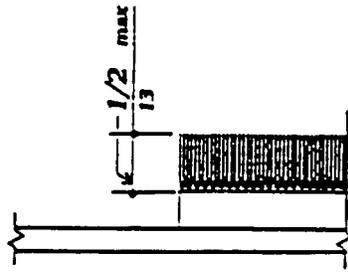


Fig. 8 (f)
Carpet Pile Thickness

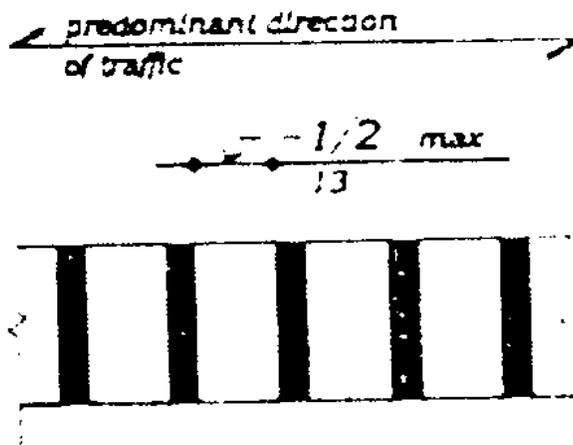


Fig. 8 (g)
Gratings

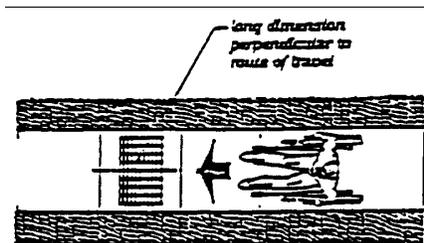


Fig. 8(h)

FIGURE 9 (RESERVED)

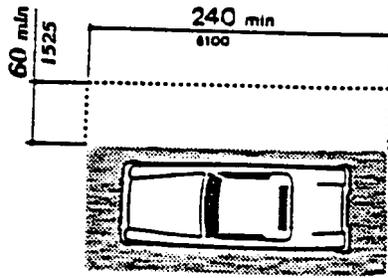


Fig. 10
Access Aisle at Passenger Loading Zones

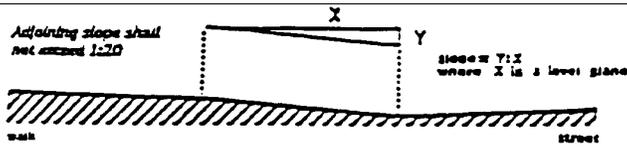


Fig. 11
Measurement of Curb Ramp Slopes

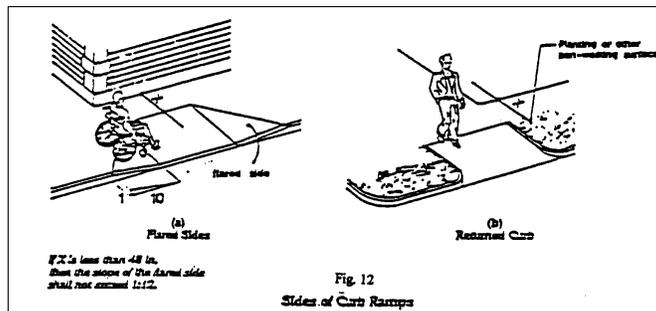


Fig. 12
Sides of Curb Ramps

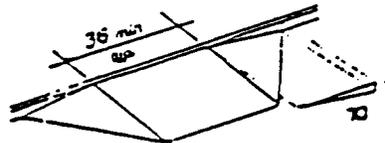


Fig. 13
Built-Up Curb Ramp

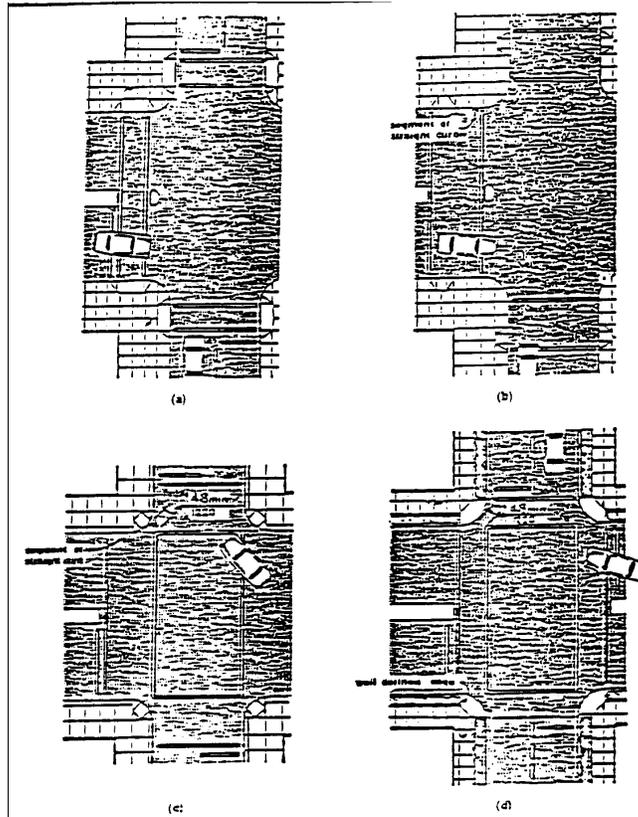
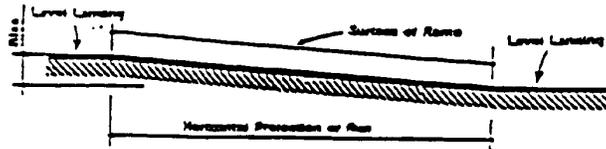
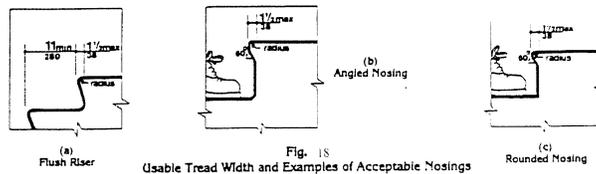
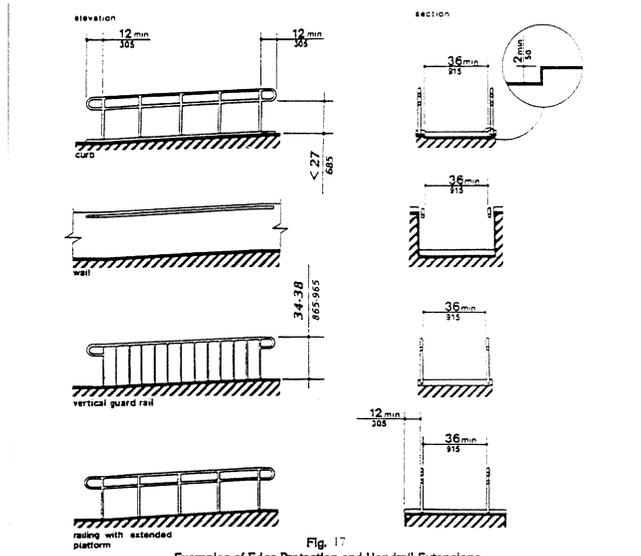


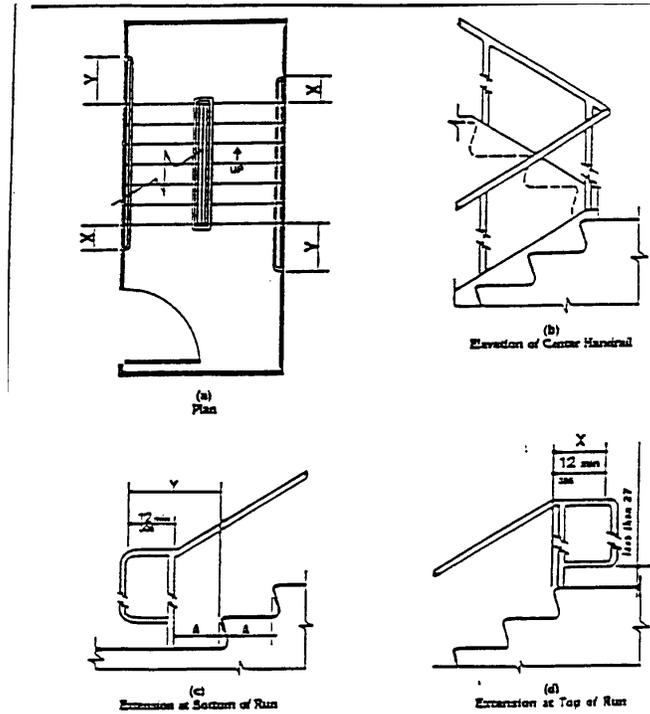
Fig. 15
Curb Ramps at Marked Crossings



Slope	Maximum Rise		Maximum Horizontal Projection	
	in	mm	ft	m
1:12 or < 1:16	18	460	30	9
1:16 or < 1:20	23	580	48	12

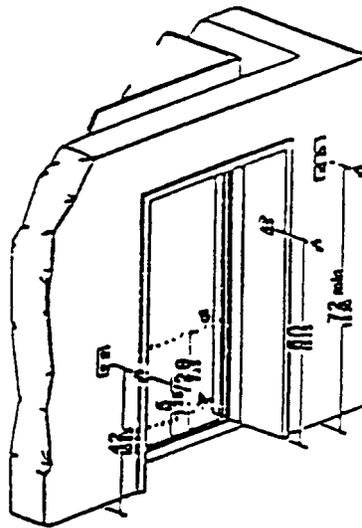
Fig. 16
Components of a Single Ramp Run and Sample Ramp Dimensions





NOTE:
 X is the 12 in minimum handrail extension required at each top riser.
 Y is the minimum handrail extension of 12 in plus the width of one tread that is required at each bottom riser.

Fig. 19
 Stair Handrails



NOTE: The automatic door reopening device is activated if an object passes through either line A or line B. Line A and line B represent the vertical locations of the door reopening device not requiring contact.

Fig. 20
 Holstrey and Elevator Entrances

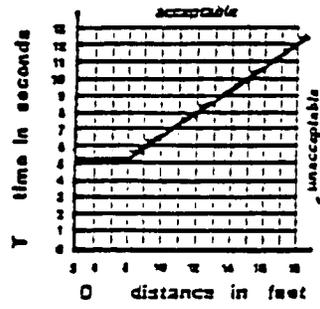
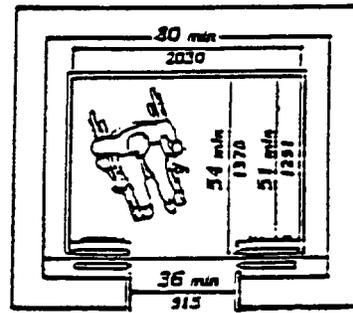
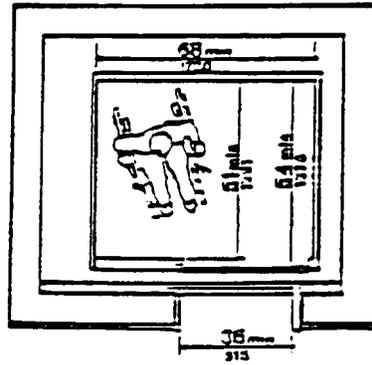


Fig. 21

Graph of Timing Equation



(a)



(b)

Fig. 22

Minimum Dimensions of Elevator Cars

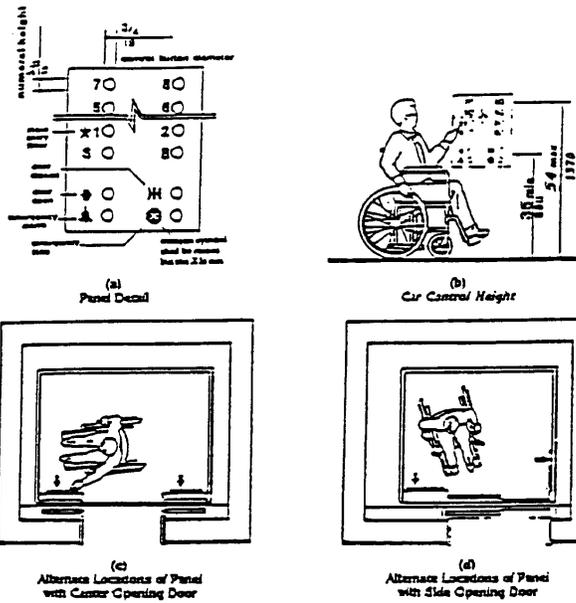


Fig. 23
Car Controls

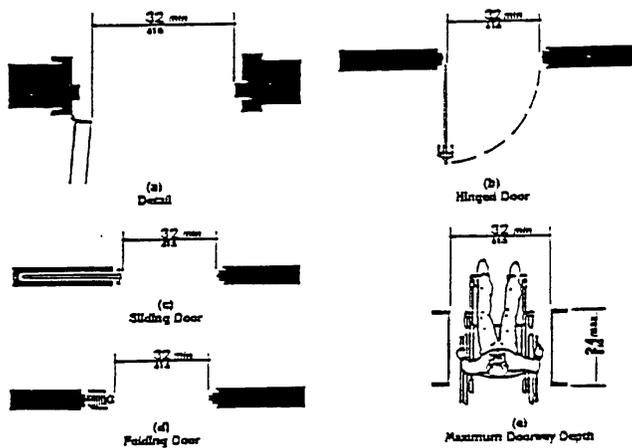


Fig. 24
Clear Doorway Width and Depth

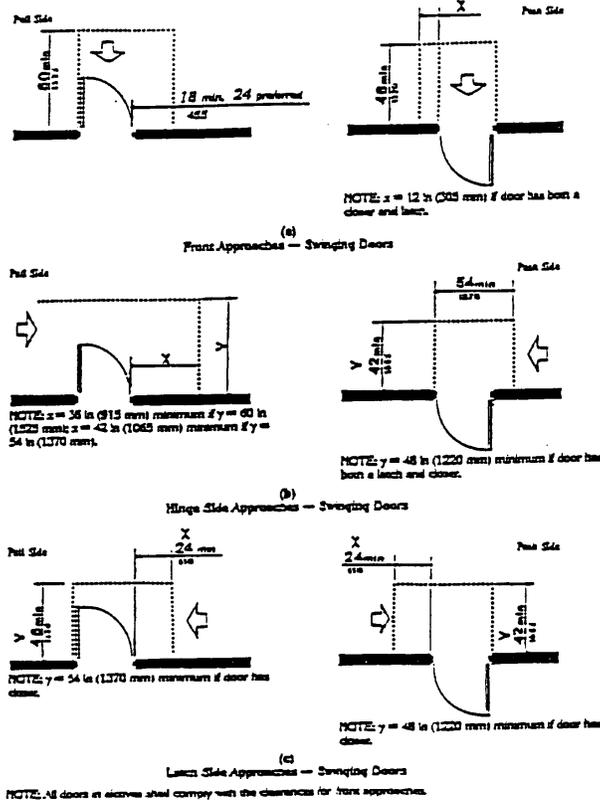


Fig. 25

Maneuvering Clearances at Doors

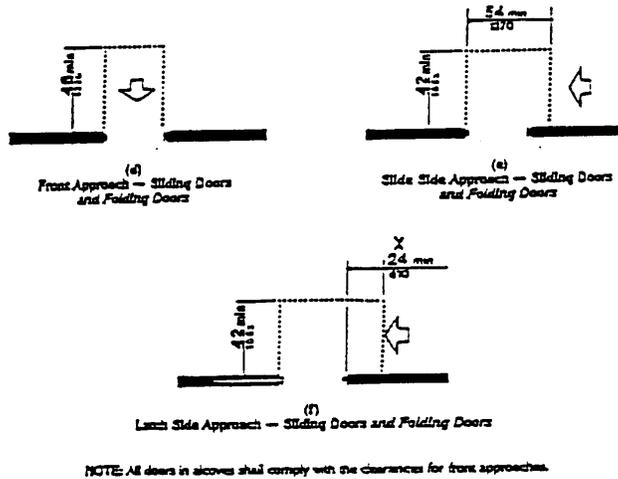


Fig. 25

Maneuvering Clearances at Doors (Continued)

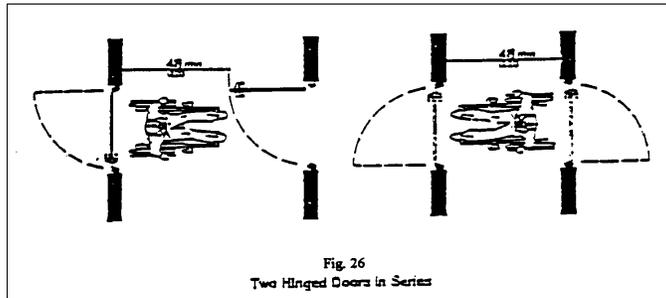


Fig. 26
Two Hinged Doors in Series

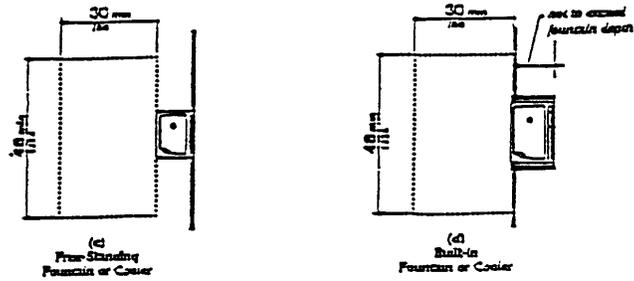
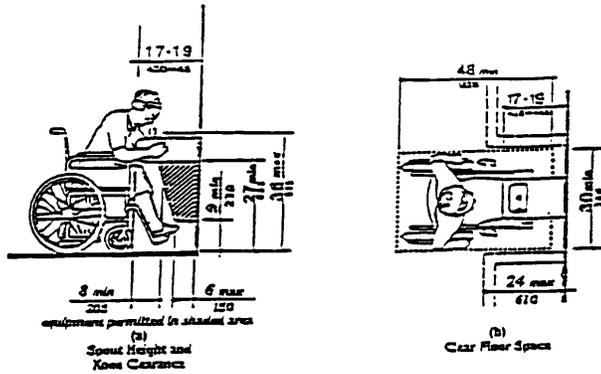


Fig. 27
Drinking Fountains and Water Coolers

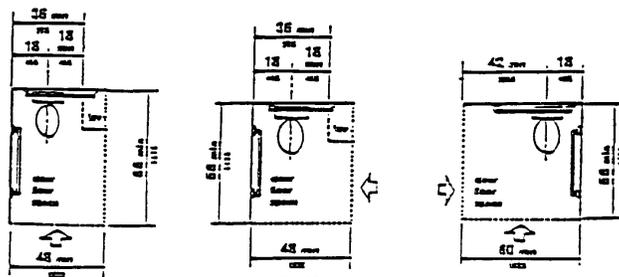
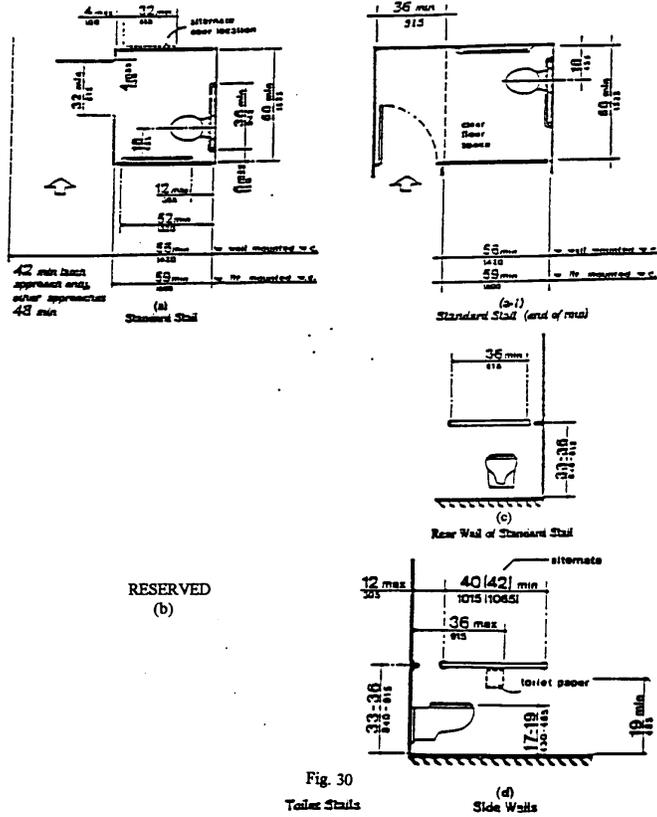
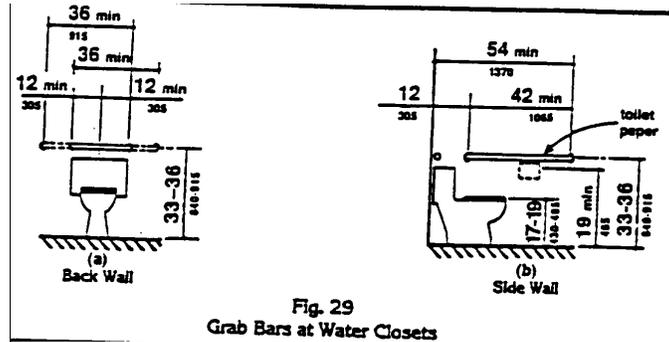


Fig. 28
Clear Floor Space at Water Coolers



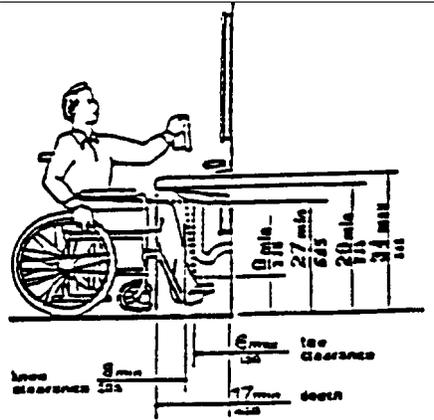


Fig. 31
Lavatory Clearances

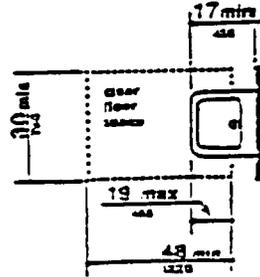


Fig. 32
Clear Floor Space at Lavatories

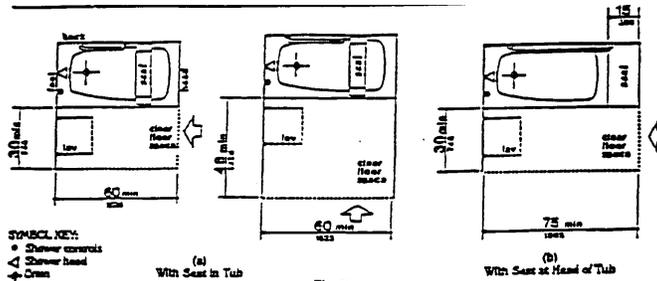


Fig. 33
Clear Floor Space at Bathrooms

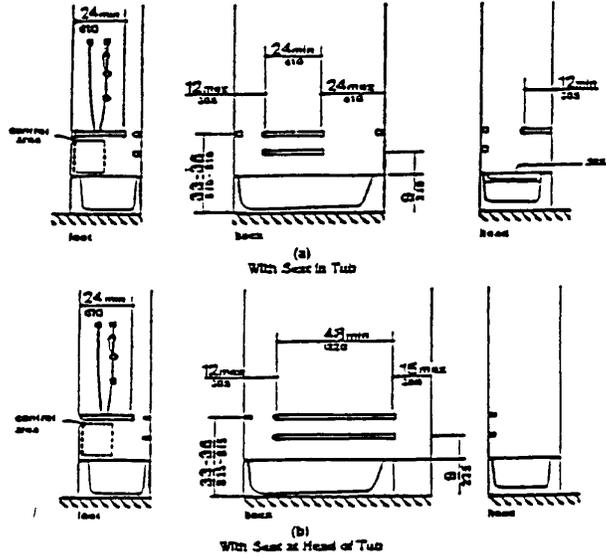


Fig. 34
Grab Bars at Bathtubs

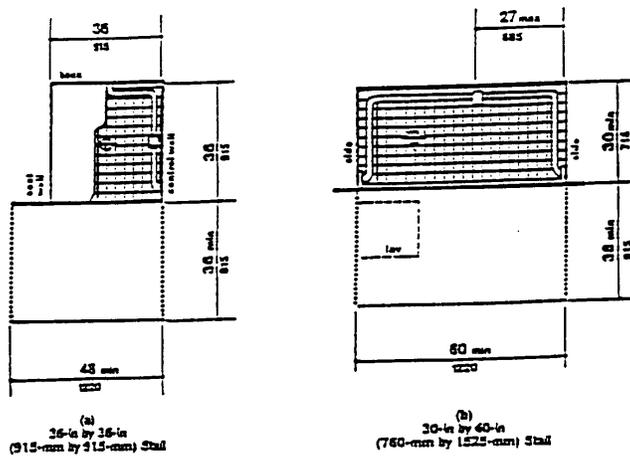


Fig. 35
Shower Size and Clearances

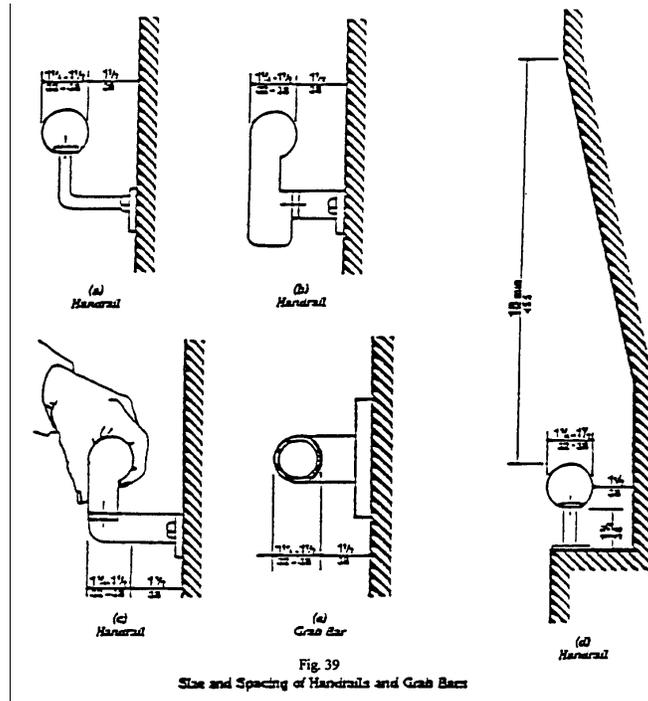
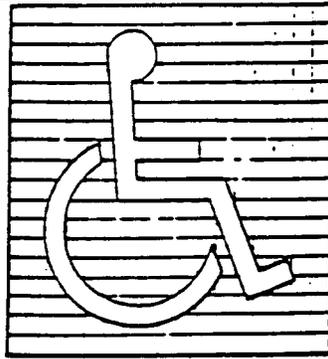


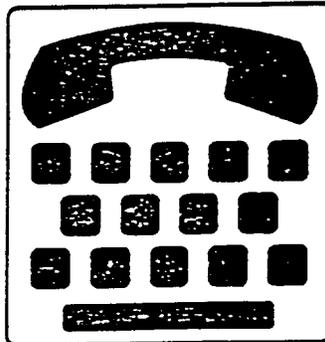
Fig. 39
Size and Spacing of Handrails and Grab Bars



(a)
Proportions
International Symbol of Accessibility



(b)
Display Conditions
International Symbol of Accessibility



(c)
International TDD Symbol



(d)
International Symbol of Access for Hearing Loss

Fig. 43
International Symbols

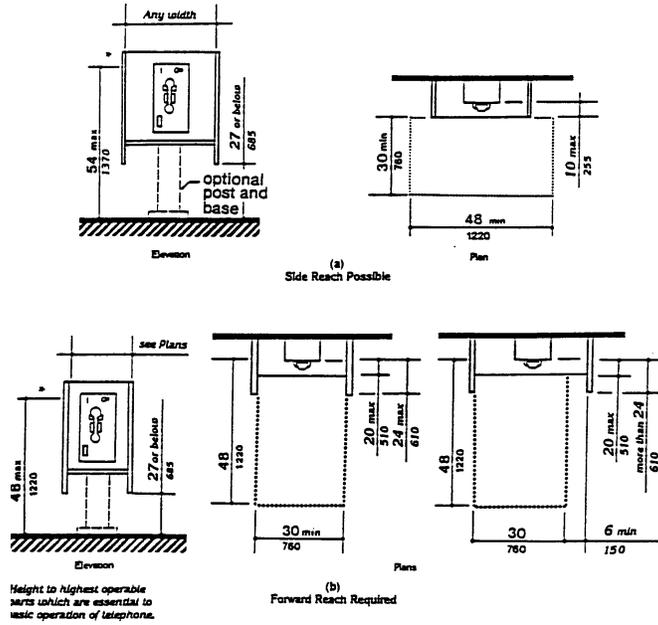
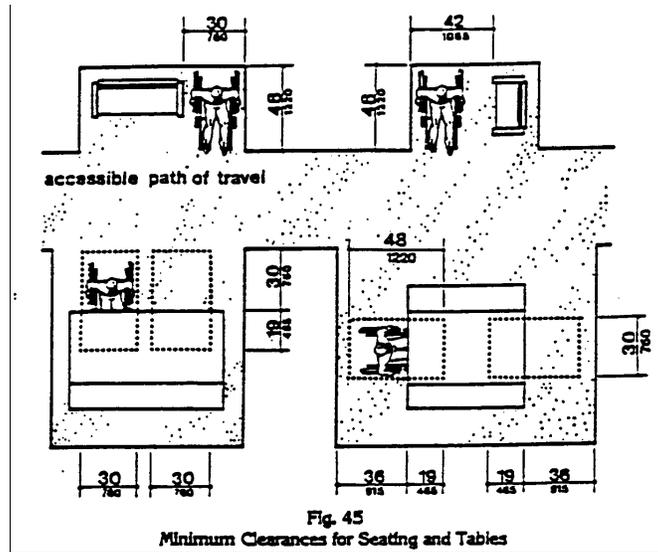
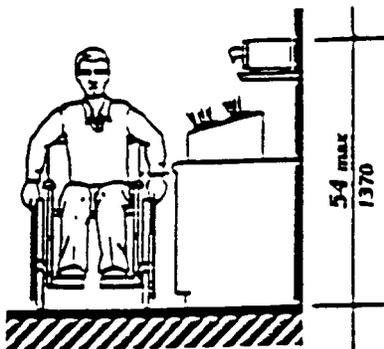
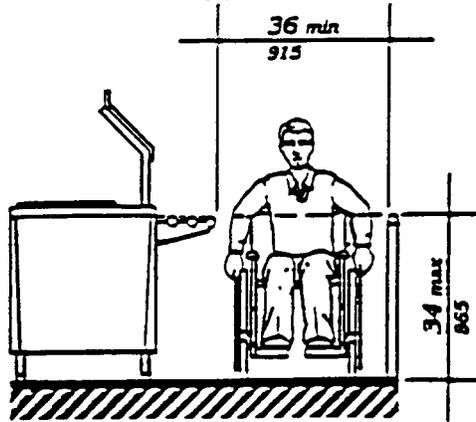
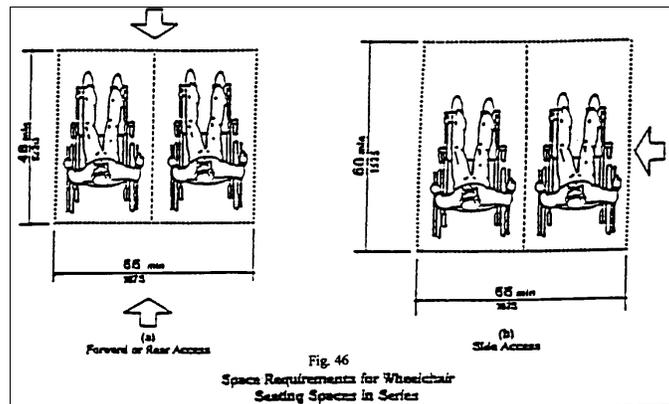


Fig. 44
Mounting Heights and Clearances for Telephones





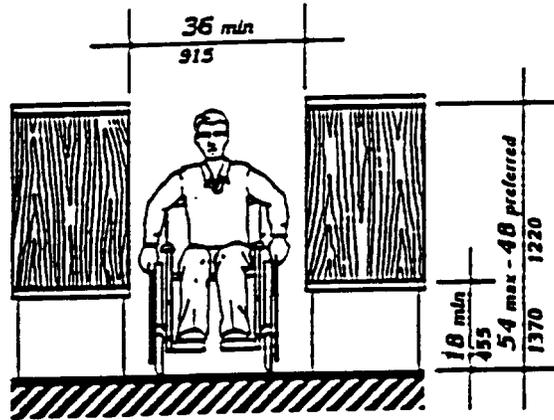


Fig. 55
Card Catalog

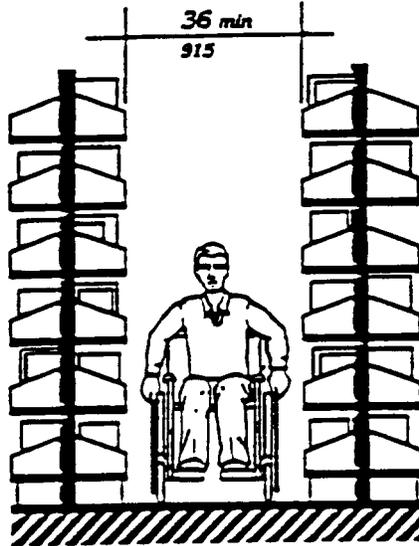
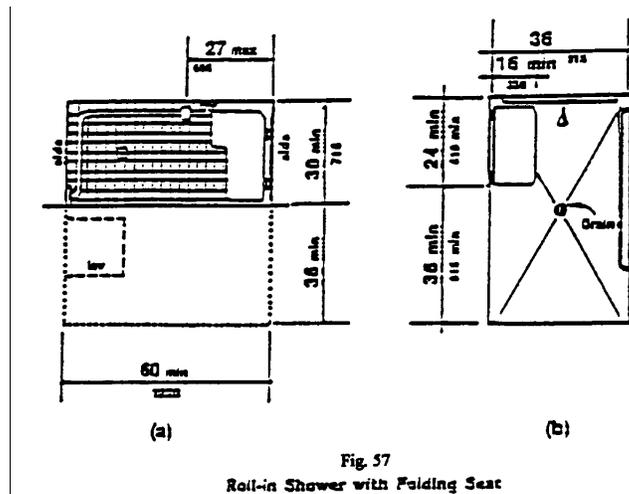


Fig. 56
Stacks



CHAPTER 11 - PART 2 - ACCESSIBILITY FOR COVERED MULTIFAMILY DWELLINGS
Subpart A

1.1 Purpose. The purpose of this part is to implement a rule within the statutory authority of IC 22-13-2-2 and IC 22-13-4-1 that is compatible with the Fair Housing Act (Title VIII of the Civil Rights Act of 1988, 42 U.S.C. 3535(d)). The act prohibits discrimination on the basis of disability and requires that covered multifamily dwellings be accessible by persons with a disability.

1.2 Scope. Part 2 applies only to the design and construction of Class I covered multifamily dwellings.

2.0 Definitions.

ACCESSIBLE, when used with respect to the public and common use areas of a building containing covered multifamily dwellings, means that the public or common use areas of the building can be approached and entered by persons with a disability.

ACCESSIBLE ROUTE means a continuous unobstructed path connecting accessible elements and spaces in a building or within a site that can be negotiated by a person with a disability using a wheelchair. Interior accessible routes may include corridors, floors, ramps, elevators, and lifts. Exterior accessible routes may include parking access aisles, curb ramps, walks, ramps, and lifts. A route that complies with the appropriate requirements of CABO/ANSI A117.1 1992 is an accessible route.

ADAPTABLE DWELLING UNITS, when used with respect to covered multifamily dwellings, means dwelling units that include the features of adaptable design specified in section 3.0(c)(2) through 3.0(c)(3).

BATHROOM means a bathroom which includes a water closet (toilet), lavatory (sink), and bathtub or shower. It does not include single-fixture facilities or those with only a water closet and lavatory. It does include a compartmented bathroom. A compartmented bathroom is one in which the fixtures are distributed among interconnected rooms. A compartmented bathroom is considered a single unit and is subject to the requirements for bathrooms.

BUILDING, for the purpose of this part, means a structure, facility, or portion thereof that contains or serves four (4) or more dwelling units.

BUILDING ENTRANCE ON AN ACCESSIBLE ROUTE means an accessible entrance to a building within the site where the covered multifamily dwelling is located that is connected by an accessible route to public transportation stops, to parking or passenger loading zones, or to public streets or sidewalks, if available. A building entrance that complies with CABO/ANSI A117.1 1992 complies with the requirements of this paragraph.

CABO/ANSI A117.1-1992 as adopted by reference in subpart B of part 2 refers to the American National Standard-Accessible and Usable Buildings and Facilities CABO/ANSI A117.1-1992.

CLEAR means unobstructed.

COMMON USE AREA means rooms, spaces, or elements inside or outside of a building that are made available to the residents of a building or the guests thereof. These areas include hallways, lounges, lobbies, laundry rooms, refuse rooms, mail rooms, recreational areas, and passageways among and between buildings.

COVERED MULTIFAMILY DWELLINGS means buildings consisting of four (4) or more dwelling units if such buildings have one (1) or more elevators; and ground floor dwelling units in other buildings consisting of four (4) or more dwelling units. Dwelling units within a single structure separated by area separation walls do not constitute separate buildings.

DWELLING UNIT, for the purpose of this part, means a single unit of residence for a household of one (1) or more persons.

Examples of dwelling units covered by this part include:

- (1) condominiums;
- (2) an apartment unit within an apartment building;
- (3) other types of dwellings in which sleeping accommodations are provided but toileting or cooking facilities are shared by occupants of more than one (1) room or portion of the dwelling.

ENTRANCE means any exterior access point to a building or portion of a building used by residents for the purpose of entering. For purposes of this chapter, an entrance does not include a door to a loading dock or a door used primarily as a service entrance, even if residents without disabilities occasionally use that door to enter.

FINISHED GRADE, for purposes of this part, means the ground surface of the site after all construction, leveling, grading, and development has been completed.

GROUND FLOOR means a floor of a building with a building entrance on an accessible route. A building may have one (1) or more ground floors. Where the first floor containing dwelling units in a building is above grade, all units on that floor must be served by a building entrance on an accessible route. This floor will be considered to be a ground floor.

LOFT means:

- (1) an intermediate level between the floor and ceiling of any story located within a room or rooms of a dwelling; and
- (2) does not contain the only:
 - (A) bathing facility;
 - (B) lavatory;
 - (C) water closet;
 - (D) living area;
 - (E) eating area; or
 - (F) cooking area;

within the dwelling unit.

MULTISTORY DWELLING UNIT means a dwelling unit with finished living space located on one (1) floor and the floor or floors immediately above or below it.

POWDER ROOM means a room with only a water closet (toilet) and lavatory (sink).

PUBLIC AREAS means interior or exterior rooms or spaces of a building that are made available to the general public.

SINGLE-STORY DWELLING UNIT means a dwelling unit with all finished living space located on one (1) floor.

SITE means a parcel of land bounded by a property line or a designated portion of a public right-of-way.

SLOPE means the relative steepness of the land between two (2) points.

STORY, for the purposes of this part, means that portion of a dwelling unit between the upper surface of any floor and the upper surface of the floor next above, or the roof of the unit. Within the context of dwelling units, the terms "story" and "floor" are synonymous.

UNDISTURBED SITE means before construction, leveling, grading, or development associated with the current project.

VEHICULAR OR PEDESTRIAN ARRIVAL POINTS means public or resident parking areas, public transportation stops, passenger loading zones, and streets or sidewalks within the site where the covered multifamily dwelling is located.

VEHICULAR ROUTE means a route intended for vehicular traffic, such as a street, driveway, or parking lot, within the site where the covered multifamily dwelling is located.

3.0 Design and Construction Requirements.

- (a) Covered multifamily dwellings shall be designed and constructed to have at least one (1) building entrance on an accessible route unless it is impractical to do so because of the terrain or unusual characteristics of the site.
- (b) Reserved.
- (c) All covered multifamily dwellings with a building entrance on an accessible route shall be designed and constructed in such a manner that:
 - (1) the public and common use areas are readily accessible to persons with a disability;
 - (2) all the doors designed to allow passage into and within all premises are sufficiently wide to allow passage by persons with a disability in wheelchairs;
 - (3) all premises within covered multifamily dwelling units contain the features of adaptable design, such as:
 - (i) an accessible route into and through the covered dwelling unit;
 - (ii) light switches, electrical outlets, thermostats, and other environmental controls in accessible locations;
 - (iii) reinforcements in bathroom walls to allow later installation of grab bars around the toilet, tub, shower stall,

and shower seat, where such facilities are provided; and

(iv) kitchens and bathrooms such that an individual in a wheelchair can maneuver about the space.

(d) Reserved.

(e) Compliance with the appropriate requirements of CABO/ANSI A117.1 1992 will satisfy the requirements of paragraph (c)(3).

4.0 Reserved.

5.0 Guidelines.

Requirement 1. Accessible Building Entrance on an Accessible Route.

(1) Building entrance. Each building on a site shall have at least one (1) building entrance on an accessible route unless prohibited by the terrain, as provided in paragraphs [*sic.*, *paragraph*] (2)(a)(i) or (2)(a)(ii), or unusual characteristics of the site, as provided in paragraph (2)(b). This requirement applies both to a single building on a site and to multiple buildings on a site.

(a) Separate Ground Floor Unit Entrances. When a ground floor unit of a building has a separate entrance, each such ground floor unit shall be served by an accessible route, except for any unit where the terrain or unusual characteristics of the site prohibit the provision of an accessible route to the entrance of that unit.

(b) Multiple Entrances. Only one (1) entrance is required to be accessible to any one (1) ground floor of a building, except in cases where an individual dwelling unit has a separate exterior entrance, or where the building contains clusters of dwelling units, with each cluster sharing a different exterior entrance. In every case, the accessible entrance shall be on an accessible route to the dwelling units it serves.

(2) Site impracticality. Covered multifamily dwellings with elevators shall be designed and constructed to provide at least one (1) accessible entrance on an accessible route, regardless of terrain or unusual characteristics of the site. Covered multifamily dwellings without elevators shall be designed and constructed to provide at least one (1) accessible entrance on an accessible route unless terrain or unusual characteristics of the site are such that the following conditions are found to exist:

(a) Site impracticality due to terrain. There are two (2) alternative tests for determining site impracticality due to terrain: the individual building test provided in paragraph (i), or the site analysis test provided in paragraph (ii). A site with a single building having a common entrance for all units shall be analyzed as described in paragraph (i). All other sites, including a site with a single building having multiple entrances serving either individual dwelling units or clusters of dwelling units, may be analyzed using the methodology in either paragraph (i) or paragraph (ii). For these sites for which either test is applicable, regardless of which test is selected, at least twenty percent (20%) of the total ground floor units in nonelevator buildings, on any site, shall comply with Chapter 11, Part 2.

(i) Individual building test. It is impractical to provide an accessible entrance served by an accessible route when the terrain of the site is such that:

(A) the slopes of the undisturbed site measured between the planned entrance and all vehicular or pedestrian arrival points within fifty (50) feet of the planned entrance exceed ten percent (10%); and

(B) the slopes of the planned finished grade measured between the entrance and all vehicular or pedestrian arrival points within fifty (50) feet of the planned entrance also exceed ten percent (10%).

If there are no vehicular or pedestrian arrival points within fifty (50) feet of the planned entrance, the slope for the purpose of this paragraph (i) will be measured to the closest vehicular or pedestrian arrival point.

For purposes of this part, vehicular or pedestrian arrival points include public or resident parking areas and passenger loading zones, streets, or sidewalks. To determine site impracticality, the slope would be measured at ground level from the point of the planned entrance on a straight line to each vehicular or pedestrian arrival point that is within fifty (50) feet of the planned entrance or, if there are no vehicular or pedestrian arrival points within that specified area, the vehicular or pedestrian arrival point closest to the planned entrance. In the case of sidewalks, the closest point to the entrance will be where a public sidewalk entering the site intersects with the sidewalk to the entrance. In the case of resident parking areas, the closest point to the planned entrance will be measured from the entry point to the parking area that is located closest to the planned entrance.

(ii) Site analysis test. Alternatively, for a site having multiple buildings, or a site with a single building with multiple entrances, impracticality of providing an accessible entrance served by an accessible route can be established by the following steps:

(A) The percentage of the total building area of the undisturbed site with a natural grade less than ten percent (10%) slope shall be calculated. The analysis of the existing slope (before grading) shall be done on a topographic survey with two (2) foot contour intervals with slope determination made between each

successive interval. The accuracy of the slope analysis shall be certified by an architect, engineer, landscape architect, or surveyor.

(B) To determine the practicality of providing accessibility to planned multifamily dwellings based on the topography or the existing natural terrain, the minimum percentage of ground floor units to be made accessible should equal the percentage of the total building area (not including flood plains, wetlands, or other restricted use areas) of the undisturbed site that has an existing natural grade of less than ten percent (10%) slope.

(C) In addition to the percentage established in paragraph (B), all ground floor units in a building, or ground floor units served by a particular entrance, shall be made accessible if the entrance to the units is on an accessible route, defined as a walkway with a slope between the planned entrance and a pedestrian or vehicular arrival point, that is no greater than eight and thirty-three hundredths percent (8.33%).

(b) Site impracticality due to unusual characteristics. Unusual characteristics include sites located in a federally-designated flood plain or coastal high-hazard area and sites subject to other similar requirements of law, rule, regulation, or ordinance that the lowest floor or the lowest structural member of the lowest floor must be raised to a specified level at or above the base flood elevation. An accessible route to a building entrance is impractical due to unusual characteristics of the site when:

(i) the unusual site characteristics result in a difference in finished grade elevation exceeding thirty (30) inches and ten percent (10%) measured between an entrance and all vehicular or pedestrian arrival points within fifty (50) feet of the planned entrance; or

(ii) if there are no vehicular or pedestrian arrival points within fifty (50) feet of the planned entrance, the unusual characteristics result in a difference in finished grade elevation exceeding thirty (30) inches and ten percent (10%) measured between an entrance and the closest vehicular or pedestrian arrival point.

(3) Exceptions to site impracticality. Regardless of site considerations described in paragraphs (1) and (2), an accessible entrance on an accessible route is practical when:

(a) there is an elevator connecting the parking area with the dwelling units on a ground floor, (in this case, those dwelling units on the ground floor served by an elevator, and at least one (1) of each type of public and common use areas, would be subject to this part.) however:

(i) where a building elevator is provided as a means of creating an accessible route to dwelling units on a ground floor, the building is not considered an elevator building for purposes of this part; hence, only the ground floor dwelling units would be covered; and

(ii) if the building elevator is provided as a means of access to dwelling units other than dwelling units on a ground floor, then the building is an elevator building, which is a covered multifamily dwelling and the elevator in that building must provide accessibility to all dwelling units in the building, regardless of the slope of the natural terrain; or

(b) an elevated walkway is planned between a building entrance and a vehicular or pedestrian arrival point and the planned walkway has a slope no greater than ten percent (10%).

(4) Accessible Entrance. An entrance that complies with Section 4.14 of CABO/ANSI A117.1 1992, complies with section 3.0(a).

(5) Accessible Route. An accessible route that complies with CABO/ANSI A117.1 1992 will meet section 3.0(a). If the slope of the finished grade between covered dwellings and a public or common use facility (including parking) exceeds eight and thirty-three hundredths percent (8.33%) or where other physical barriers (natural or manmade) or legal restrictions, all of which are outside the control of the owner, prevent the installation of an accessible pedestrian route, an acceptable alternative is to provide access via a vehicular route, so long as necessary site provisions such as parking spaces and curb ramps are provided at the public or common use facility.

Requirement 2. Accessible Public and Common Areas.

The following chart identifies the public and common areas that shall be made accessible, cites the appropriate section of the CABO/ANSI A117.1 1992, and describes the appropriate application of the specifications:

**BASIC COMPONENTS FOR ACCESSIBLE
PUBLIC AND COMMON AREAS OR FACILITIES**

CABO/ANSI A117.1-1992

Accessible Element or Space	Section	Application
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1. Accessible route(s)	4.3	<p>Within boundary of the site:</p> <p>(a) from accessible parking spaces, accessible passenger loading zones, and streets or sidewalks to accessible building entrances.</p> <p>(b) connecting accessible buildings, facilities, elements, and spaces that are on the same site.</p> <p>(c) connecting accessible building or facility entrances with accessible spaces and elements within the building or facility, including adaptable dwelling units.</p> <p>(d) where site or legal constraints prevent a route accessible to wheelchair users between covered multifamily dwellings and public or common-use facilities elsewhere on the site.</p>
2. Protruding objects	4.4	Accessible routes or maneuvering space including, but not limited to, halls, corridors, passageways, or aisles.
3. Ground and floor surface	4.5	Accessible routes, rooms, and spaces, including floors, surface treatments walks, ramps, stairs, and curb ramps.
4. Parking and passenger-loading zones	4.6	See IC 5-16-9.
5. Curb ramps	4.7	Accessible routes crossing curbs.
6. Ramps	4.8	Accessible routes with slopes greater than 1:20.
7. Stairs	4.9	Stairs on accessible routes connecting levels not connected by an elevator.
8. Elevator	4.10	If provided.
9. Platform lift	4.11	May be used in lieu of an elevator or ramp under certain conditions.
10. Drinking fountains and water coolers	4.15	Fifty percent (50%) of fountains and water cooler [<i>sic.</i> , <i>coolers</i>] on each floor, or at least one (1), if provided, in the facility or at the site.
11. Toilet rooms and bathing facilities (including water closets, toilet rooms and stalls, urinals, lavatories and mirrors, bathtubs, shower stalls, and sinks)	4.22	Where provided in public-use and common-use facilities, at least one (1) of each fixture provided per room.
12. Common-use spaces and facilities (swimming pools and playgrounds, entrances, rental offices, lobbies, elevators, mailbox areas, lounges, halls and corridors, and similar spaces)	4.1 through 4.28	If provided in the facility or at the site.

Requirement 3. Usable Doors.

Section 3.0(c)(2) applies to doors that are part of an accessible route in the public and common areas of multifamily dwellings and to doors into and within individual dwelling units.

(1) On accessible routes in public and common use areas, and for primary entry doors to covered units, doors complying with Section 4.13 of CABO/ANSI A117.1 1992 will comply with this requirement.

(2) Within individual dwelling units, doors intended for user passage through the unit which have a clear opening of at least thirty-two (32) inches nominal width when the door is open ninety (90) degrees, measured between the face of the door and the stop, will conform to section 3.0(c)(2) (see Fig. 1(a), 1(b), and 1(c)). Openings more than twenty-four (24) inches in depth are not considered doorways (see Fig. 1(d)).

NOTE: A thirty-four (34) inch door, hung in the standard manner, provides an acceptable, nominal thirty-two (32) inch clear opening. This door can be adapted to provide a wider opening by using offset hinges or by removing lower portions of the door stop, or both. Pocket or sliding doors are acceptable doors in covered dwelling units and have the added advantage of not impinging on clear floor space in small rooms. The nominal thirty-two (32) inch clear opening provided by a standard six (6) foot sliding patio door assembly is acceptable.

Requirement 4. Accessible route into and through the covered dwelling unit.

Accessible routes into and through dwelling units will conform to section 3.0(c)(3)(i) if the requirements in this section are met.

(1) A minimum clear width of thirty-six (36) inches is provided.

- (2) In single-story dwelling units, changes in levels within the dwelling unit with heights between one-fourth ($\frac{1}{4}$) inch and one-half ($\frac{1}{2}$) inch are beveled with a slope no greater than 1:2. Except for design features, such as a loft or an area on a different level within a room, for example, a sunken living room, changes in levels greater than one-half ($\frac{1}{2}$) inch are ramped or have other means of access. Where a single-story dwelling unit has special design features, all portions of the single-story unit, except the loft or the sunken or raised area, are on an accessible route; and
- (a) In single-story dwelling units with lofts, all spaces other than the loft are on an accessible route.
 - (b) Design features such as sunken or raised functional areas do not interrupt the accessible route through the remainder of the dwelling unit.
- (3) In multistory dwelling units in buildings with elevators, the story of the unit that is served by the building elevator:
- (a) is the primary entry to the unit;
 - (b) complies with Requirements 2 through 7 with respect to the rooms located on the entry/accessible floor; and
 - (c) contains a bathroom or powder room which complies with Requirement 7. (NOTE: Multistory dwelling units in nonelevator buildings are not covered dwelling units because, in such cases, there is no ground floor unit.)
- (4) Except as provided in paragraphs (5) and (6), thresholds at exterior doors, including sliding door tracks, are no higher than three-fourths ($\frac{3}{4}$) inch. Thresholds and changes in level at these locations are beveled with a slope no greater than 1:2.
- (5) Exterior deck, patio, or balcony surfaces are not more than one-half ($\frac{1}{2}$) inch below the floor level of the interior of the dwelling unit, unless they are constructed of impervious material such as concrete, brick, or flagstone. In such case, the surface is not more than four (4) inches below the floor level of the interior of the dwelling unit.
- (6) At the primary entry door to dwelling units with direct exterior access, outside landing surfaces constructed of impervious materials, such as concrete, brick, or flagstone, are not more than one-half ($\frac{1}{2}$) inch below the floor level of the interior of the dwelling unit. The finished surface of this area that is located immediately outside the entry may be sloped, up to one-eighth ($\frac{1}{8}$) inch per foot, for drainage.

Requirement 5. Light Switches, Electrical Outlets, Thermostats, and Other Environmental Controls in Accessible Locations.

Light switches, electrical outlets, thermostats, and other environmental controls will conform to section 3.0(c)(3)(ii) if operable parts of the controls are located no higher than forty-eight (48) inches, and no lower than fifteen (15) inches, above the floor. If the reach is over an obstruction, for example, an overhanging shelf, between twenty (20) and twenty-five (25) inches in depth, the maximum height is reduced to forty-four (44) inches for forward approach; or forty-six (46) inches for side approach, provided the obstruction, for example, a kitchen base cabinet, is no more than twenty-four (24) inches in depth. Obstructions shall not exceed more than twenty-five (25) inches from the wall beneath a control (see Fig. 2).

Requirement 6. Reinforced Walls for Grab Bars.

Reinforced bathroom walls to allow later installation of grab bars around the toilet, tub, shower stall, and shower seat, where such facilities are provided, will conform to section 3.0(c)(3)(iii) (see Figs. 3, 4, and 5). Where the toilet is not placed adjacent to a side wall, the bathroom will comply if provision is made for installation of floor mounted foldaway or similar alternative grab bars. Where the powder room is the only toilet facility located on an accessible level of a multistory dwelling unit, it must comply with this requirement for reinforced walls for grab bars.

NOTE: Installation of bathtubs or showers is not limited by the illustrative figures, such as reinforced areas, for installation of floor-mounted grab bars.

Reinforcement for grab bars may be provided in a variety of ways, for example, by plywood or wood blocking, so long as the necessary reinforcement is placed so as to permit later installation of appropriate grab bars.

Requirement 7. Usable Kitchens and Bathrooms.

- (1) Usable kitchens. Usable kitchens will conform to section 3.0(c)(3)(iv) if:
- (a) a clear floor space at least thirty (30) inches by forty-eight (48) inches that allows a parallel approach by a person in a wheelchair is provided at the range or cooktop and sink, and either a parallel or forward approach is provided at oven, dishwasher, refrigerator/freezers, or trash compactor (see Fig. 6);
 - (b) clearance between counters and all opposing base cabinets, countertops, appliances, or walls is at least forty (40) inches; and
 - (c) in U-shaped kitchens with sink or range or cooktop at the base of the "U", a sixty (60) inch turning radius is provided to allow parallel approach, or base cabinets are removable at that location to allow knee space for a forward approach.
- (2) Usable bathrooms. To meet the requirements of section 3.0(c)(3)(iv), either all bathrooms in the dwelling unit shall comply with the provisions of paragraph (a), or at least one (1) bathroom in the dwelling unit complies with the provisions of paragraph (b), and all other bathrooms and powder rooms within the dwelling unit must be on an accessible route with usable entry doors

in accordance with Requirements 3 and 4.

However, in multistory dwelling units, only those bathrooms on the accessible level are subject to the requirements of section 3.0(c)(3)(iv). Where a powder room is the only facility provided on the accessible level of a multistory dwelling unit, the powder room shall comply with provisions of paragraph (a) or (b). Powder rooms that are subject to the requirements of section 3.0(c)(3)(iv) shall have reinforcements for grab bars as provided in Requirement 6.

- (a) Bathrooms that have reinforced walls for grab bars (see Requirement 6) shall conform to section 3.0(c)(3)(iv) if:
 - (i) Sufficient maneuvering space is provided within the bathroom for a person using a wheelchair or other mobility aid to enter and close the door, use the fixtures, reopen the door, and exit. Doors may swing into the clear floor space provided at any fixture if the maneuvering space is provided. Maneuvering spaces may include any kneespace or toespace available below bathroom fixtures.
 - (ii) Clear floor space is provided at fixtures as shown in Fig. 7(a), 7(b), 7(c), and 7(d). Clear floor space at fixtures may overlap.
 - (iii) If the shower stall is the only bathing facility provided in the covered dwelling unit, the shower stall shall measure at least thirty-six (36) inches by thirty-six (36) inches.

NOTE: Cabinets under lavatories are acceptable provided the bathroom has space to allow a parallel approach by a person in a wheelchair; if parallel approach is not possible within the space, any cabinets provided would have to be removable to afford the necessary knee clearance for forward approach.

- (b) Bathrooms that have reinforced walls for grab bars (see Requirement 6) will conform to section 3.0(c)(3)(iv) if:
 - (i) Where the door swings into the bathroom, there is a clear space (approximately, two (2) feet six (6) inches by four (4) feet) within the room to position a wheelchair or other mobility aid clear of the path of the door as it is closed and to permit use of fixtures. This clear space can include any kneespace and toespace available below bathroom fixtures.
 - (ii) Where the door swings out, a clear space is provided within the bathroom for a person using a wheelchair or other mobility aid to position the wheelchair such that the person is allowed use of fixtures. There also shall be clear space to allow persons using wheelchairs to reopen the door to exit.
 - (iii) When both tub and shower fixtures are provided in the bathroom, at least one (1) is made accessible. When two (2) or more lavatories in a bathroom are provided, at least one (1) is made accessible.
 - (iv) Toilets are located within bathrooms in a manner that permits a grab bar to be installed on one (1) side of the fixture. In locations where toilets are adjacent to walls or bathtubs, the centerline of the fixture is a minimum of one (1) foot six (6) inches from the obstacle. The other (nongrab bar) side of the toilet fixture is a minimum of one (1) foot three (3) inches from the finished surface of adjoining walls, vanities, or the edge of a lavatory (see Fig. 7(a)).
 - (v) Vanities and lavatories are installed with the centerline of the fixture a minimum of one (1) foot three (3) inches horizontally from an adjoining wall or fixture. The top of the fixture rim is a maximum height of two (2) feet ten (10) inches above the finished floor. If kneespace is provided below the vanity, the bottom of the apron is at least two (2) feet three (3) inches above the floor. If provided, full kneespace (for front approach) is at least one (1) foot five (5) inches deep (see Fig. 7(c)).
 - (vi) Bathtubs and tub/showers located in the bathroom provide a clear access aisle adjacent to the lavatory that is at least two (2) feet six (6) inches wide and extends for a length of four (4) feet (measured from the head of the bathtub) (see Fig. 8).
 - (vii) Stall showers in the bathroom may be of any size or configuration. A minimum clear floor space two (2) feet six (6) inches wide by four (4) feet shall be available outside the stall (see Fig. 7(d)). If the shower stall is the only bathing facility provided in the covered dwelling unit, or on the accessible level of a covered multistory unit, and measures a nominal thirty-six (36) inches by thirty-six (36) inches or smaller, the shower stall must have reinforcement to allow for installation of an optional hung bench seat.

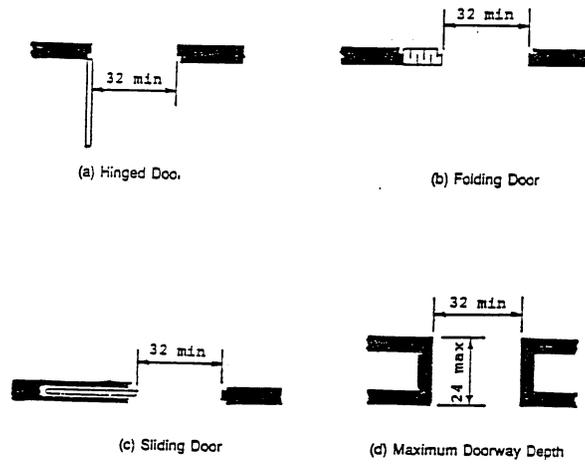
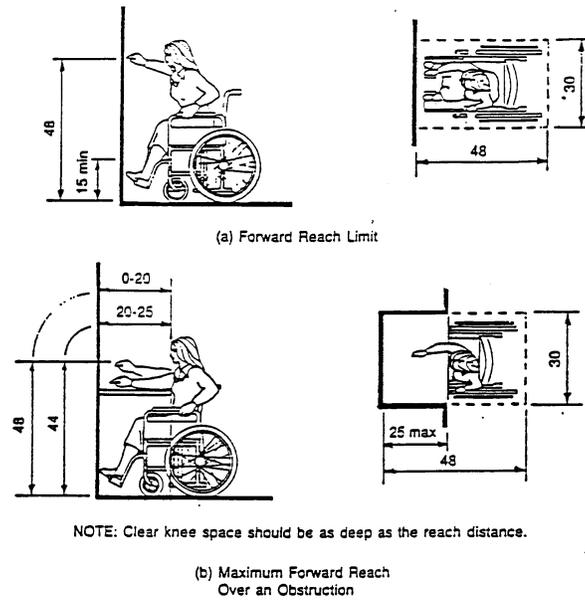


Fig. 1 Clear Doorway Width and Depth



NOTE: Clear knee space should be as deep as the reach distance.

Fig. 2 Reach Ranges

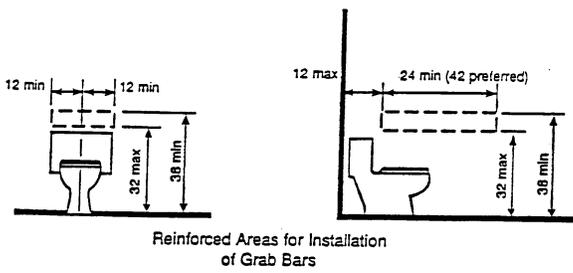


Fig. 3 Water Closets in Adaptable Bathrooms

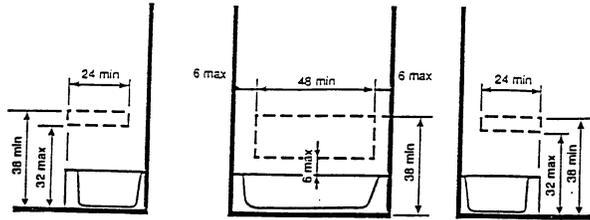


Fig. 4 Location of Grab Bar Reinforcements for Adaptable Bathtubs

NOTE: The areas outlined in dashed lines represent locations for future installation of grab bars for typical fixture configurations.

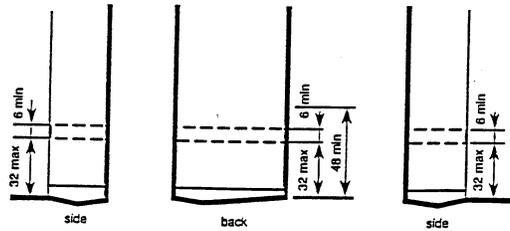


Fig. 5 Location of Grab Bar Reinforcements for Adaptable Showers

NOTE: The areas outlined in dashed lines represent locations for future installation of grab bars.

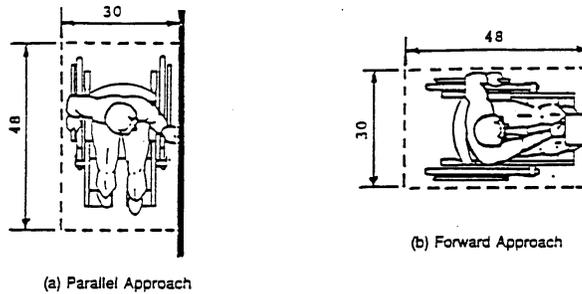
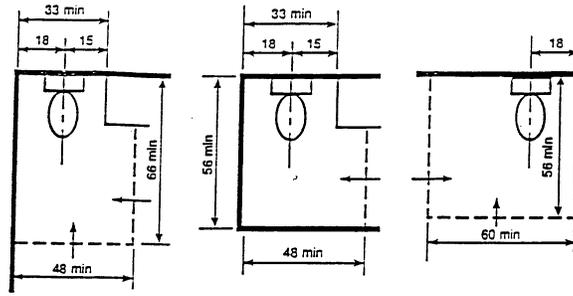
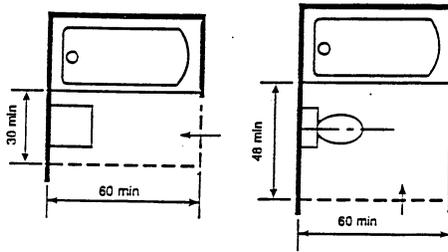


Fig. 6 Minimum Clear Floor Space for Wheelchairs

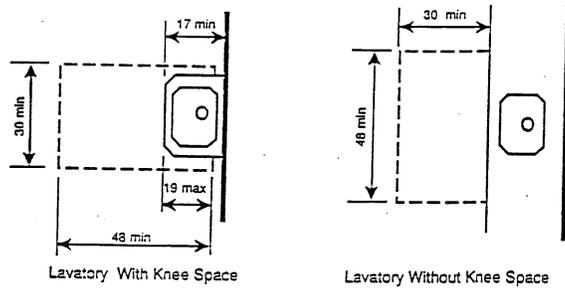


(a) Clear Floor Space for Water Closets

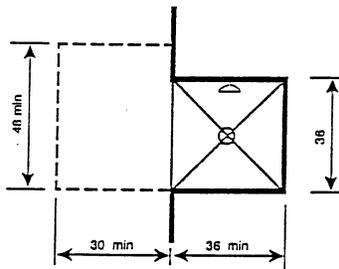


(b) Clear Floor Space at Bathtubs

Fig. 7 Clear Floor Space for Adaptable Bathrooms



(c) Clear Floor Space at Lavatories



(d) Clear Floor Space at Shower

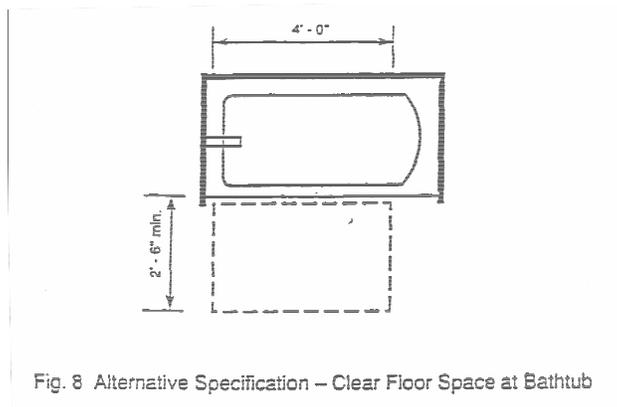


Fig. 8 Alternative Specification – Clear Floor Space at Bathtub

Subpart B CABO/ANSI A117.1 - 1992

That certain document being titled as the American National Standard, Accessible and Usable Buildings and Facilities CABO/ANSI A117.1-1992, published by the Council of American Building Officials, 5203 Leesburg Pike, #708, Falls Church, Virginia 22041, is hereby adopted by reference, as if fully set out in this rule, same and except the following revisions:

Delete section 1 without substitution.

Delete section 2 without substitution.

Delete subsection 3.3 and substitute as follows: ASME/ANSI A17.1 means the Indiana Safety Code for Elevators, Escalators, Manlifts, and Hoists (675 IAC 21).

Change the following definitions in section 3.2 to read as follows: (a) “ADMINISTRATIVE AUTHORITY” means the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the fire prevention and building safety commission.

(b) “TEMPORARY” means a temporary structure erected as defined in the General Administrative Rules (675 IAC 12-6).

Delete subsection 4.6.2 Parking Spaces and substitute to read as follows: Parking shall comply with IC 5-16-9.

Change subsection 4.8.2 to read as follows: Ramps in new construction shall have a slope not steeper than 1:12. The rise for any ramp run shall be thirty (30) inches (seven hundred sixty (760) millimeters) maximum (see Fig. B4.8.2).

Delete Table 4.8.2 without substitution.

Delete subsection 4.10.2.

Change subsection 4.11 to read as follows: Wheelchair lifts, if provided, shall comply with the Indiana Safety Code for Elevators, Escalators, Manlifts, and Hoists (675 IAC 21).

Delete the first sentence of subsection 4.13.11.

Delete in subsection 4.13.12 “ANSI/BHMA A156.10” and substitute “UBC Standard No. 10-1 (675 IAC 13)”.

Delete in subsection 4.13.13 “ANSI/BHMA A156.19” and substitute “UBC Standard No. 10-1 (675 IAC 13)”.

Delete subsection 4.23 without substitution.

Change subsection 4.26.1 to read as follows: Alarms required by this code shall conform to subsection 4.26.

Delete subsection 4.30 without substitution.

Delete subsection 4.31 without substitution.

Delete subsection 4.32 without substitution.

Change subsection 4.33.4 to read as follows: Accessible kitchens shall comply with the requirements of section 4.33.4.

Delete subsections 4.33.4.6, 4.33.4.7, 4.33.4.8, 4.33.4.9, 4.33.4.10, 4.33.5, 4.33.5.1, and 4.33.5.2 without substitution.

Appendix A is not adopted and is for information purposes only. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-131; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2842; errata filed Nov 16, 1998, 3:05 p.m.: 22 IR 1074; filed Jul 29, 1999, 11:05 a.m.: 22 IR 3879*)

675 IAC 13-2.3-132 Section 1202.2.3; Group H occupancies

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 132. Change, in the last paragraph of section 1202.2.3, the word “chief” to “building official”. (*Fire Prevention and*

Building Safety Commission; 675 IAC 13-2.3-132; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2891)

675 IAC 13-2.3-133 Section 1202.2.4; Group H, Division 4 occupancies

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 133. Delete the exception to section 1202.2.4 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-133; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2891)*

675 IAC 13-2.3-134 Section 1202.2.6; Group S repair and storage garages and aircraft hangars

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 134. Delete the text of section 1202.2.6 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-134; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2891)*

675 IAC 13-2.3-135 Section 1202.2.7; Group S parking garages

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 135. Amend the first two (2) sentences of section 1202.2.7 as follows: (a) Delete the period at the end of the first sentence and substitute a comma.

(b) Change the second sentence to read as follows: or a ventilation system designed to exhaust a minimum of 14,000 CFM (6,608 L/S) for each operating vehicle shall be provided. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-135; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2891)*

675 IAC 13-2.3-136 Section 1203.3; ventilation

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 136. Change, in the exception to the third paragraph of section 1203.3, “Group R, Division 3” to “Group R, Divisions 2 and 3”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-136; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2891)*

675 IAC 13-2.3-137 Section 1205; alternative ventilation when applicable

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 137. Delete the text of section 1205 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-137; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2891)*

675 IAC 13-2.3-138 Section 1402.4; dampproofing foundation walls

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 138. Change section 1402.4 to read as follows: Foundation Dampproofing, Waterproofing and Drainage. Walls, or portions thereof, retaining earth and enclosing interior spaces and floors below grade shall be waterproofed or dampproofed, and drained as required in Appendix Chapter 18. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-138; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2891)*

675 IAC 13-2.3-139 Section 1403.1.1; veneer, general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 139. Delete, in section 1403.1.1, the second sentence. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-139; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2891*)

675 IAC 13-2.3-140 Section 1403.1.2; limitations

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 140. Change section 1403.1.2 to read as follows: Exterior veneer shall not be attached to wood-frame construction at a height more than thirty (30) feet (nine thousand one hundred forty-four millimeters (9,144 mm)) in height above the noncombustible foundation unless the connections are designed to provide for differential movement. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-140; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2892*)

675 IAC 13-2.3-141 Section 1403.6.2; height and support limitations

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 141. Delete, in section 1403.6.2, the last sentence of the second paragraph. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-141; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2892*)

675 IAC 13-2.3-142 Section 1505.3; ventilation

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 142. Change the first sentence of section 1505.3 to read as follows: Enclosed attics and enclosed rafter spaces formed where ceilings are applied directly to the underside of roof rafters shall have cross ventilation for each separate space by ventilating openings protected against the entrance of rain and snow. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-142; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2892*)

675 IAC 13-2.3-143 Section 1506; roof drainage

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 143. Change section 1506 to read as follows: General. Roofs shall be sloped a minimum of one (1) unit vertical in forty-eight (48) units horizontal (two percent (2%) slope) for drainage unless designed for water accumulation in accordance with section 1611 and the plumbing code. For roof drainage, see the Plumbing Code, 675 IAC 16. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-143; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2892; filed Jan 26, 2000, 1:47 p.m.: 23 IR 1378*)

675 IAC 13-2.3-144 Section 1508.5; wood shingles and wood shakes

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 144. Delete the exception to section 1508.5. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-144; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2892*)

675 IAC 13-2.3-145 Table 15-D-1; roofing tile application for all tiles

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 145. Change Footnote 2 to Table 15-D-1 by deleting the words “by the building official” and substituting “Table 16”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-145; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2892*)

675 IAC 13-2.3-146 Table 15-D-2; clay or concrete roofing tile application interlocking tile with projecting anchor lugs

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 146. Change Footnote 1 to Table 15-D-2 by deleting the words “by the building official” and substituting “Table 16-1”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-146; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2892*)

675 IAC 13-2.3-147 Section 2501.2; inspection

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 147. Delete the text of section 2501.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-147; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2892*)

675 IAC 13-2.3-148 Section 2501.3; tests

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 148. Delete section 2501.3 and substitute to read as follows: May be enforced when required by local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-148; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2892*)

675 IAC 13-2.3-148.1 Section 2603.1.2; approval for use

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 148.1. Change, in section 2603.1.2, “building official” to “state building commissioner”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-148.1; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2892*)

675 IAC 13-2.3-149 Section 2801; Mechanical Code

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 149. Delete, from section 2801, the words “and maintenance”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-149; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2892*)

675 IAC 13-2.3-150 Chapter 29; plumbing systems

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 150. Delete the text of Chapter 29 and substitute as follows:

SECTION 2901. PLUMBING CODE

Plumbing systems shall comply with the plumbing code (675 IAC 16).

SECTION 2902. Minimum number of fixtures. Plumbing fixtures shall be provided for the type of occupancy and in the minimum number shown in TABLE No. 29. Types of occupancies not shown in TABLE No. 29 shall be considered as the most similar listed occupancy.

The number of occupants of a building, for the purposes of Chapter 29, shall be one (1) of the following:

1. The actual or anticipated number of occupants; or
2. The square feet of usable (net) floor space divided by the occupant load factor found in Table 10-A.

SECTION 2903. Where plumbing fixtures are required, separate facilities shall be provided for each sex.

EXCEPTIONS: 1. Separate facilities shall not be required in residential occupancies.

2. Separate employee facilities shall not be required in occupancies in which fifteen (15) or less people are employed.

3. Separate facilities shall not be required in structures or tenant spaces with a total occupant load, including both employees and customers, of fifteen (15) or less in which food or beverage is served for consumption within the structure or tenant space.

SECTION 2904. Number of occupants of each sex: The required water closets, lavatories, and showers or bathtubs shall be distributed equally, except where specified in TABLE No. 29, between the sexes based on the percentage load of each sex anticipated in the occupant load. The occupant load shall be composed of fifty percent (50%) of each sex unless statistical data indicates a different distribution of the sexes.

SECTION 2905. Location of employee toilet facilities in occupancies other than use group A or M occupancies: Access to toilet facilities in occupancies other than use group A or M occupancies shall be from within the employees' regular working area. The required toilet facilities shall not exceed a distance of five hundred (500) feet (one hundred fifty-two (152) meters). Employee facilities shall be either separate facilities or public facilities.

EXCEPTION: Facilities that are required for employees in storage structures or kiosks, and which are located in adjacent structures under the same ownership, lease, or control, shall be a maximum travel distance of five hundred (500) feet (one hundred fifty-two (152) meters) from the employees' regular working area.

Location of employee toilet facilities in buildings of use group A and M occupancies: Employees shall be provided with toilet facilities in buildings and tenant spaces utilized as restaurants, nightclubs, places of public assembly, and retail sales occupancies. The employee facilities shall be either separate facilities or public facilities.

EXCEPTION: Employee toilet facilities shall not be required in tenant spaces of nine hundred (900) square feet (eighty-four (84) meters squared) or less where the travel distance from the main entrance of the tenant space to a central toilet area does not exceed five hundred (500) feet (one hundred fifty-two (152) meters) and such central toilet facilities are located not more than one (1) story above or below the tenant space.

SECTION 2906. Public facilities: The public shall be provided with toilet facilities in structures and tenant spaces utilized as restaurants, nightclubs, places of assembly, and retail sales occupancies. Public toilet facilities shall be located not more than one (1) story above or below the space required to be provided with public toilet facilities and the path of travel to such facilities shall not exceed a distance of five hundred (500) feet (one hundred fifty-two (152) meters). In covered mall buildings, required facilities shall be based on total square footage, and facilities shall be installed in each individual store or in a central toilet area located in accordance with this section. The maximum travel distance to the central toilet facilities in covered mall buildings shall be measured from the main entrance of any store or tenant space.

EXCEPTION: Public facilities are not required in structures or tenant spaces with an occupant load of less than one hundred fifty (150) and which do not serve food or beverages to be consumed within the structure or tenant space.

SECTION 2907. Access for cleaning: Plumbing fixtures shall be installed so as to afford access for cleaning both the fixture and area around the fixture. Unless conditions such as freezing or structural impairment restricts, all pipes from fixtures shall be routed to the nearest wall.

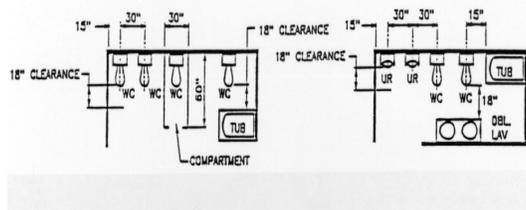
SECTION 2908. Convenience and function: Fixtures shall be set level and in alignment with reference to adjacent walls.

1. Water closets, lavatories and bidets: A water closet, lavatory, or bidet shall not be set closer than fifteen (15) inches (three hundred eighty-two (382) millimeters) from its center to any side wall, partition, vanity, or other obstruction, nor closer than thirty (30) inches (seven hundred sixty-two (762) millimeters) center-to-center between toilets or adjacent fixtures. There shall be at least eighteen (18) inches (four hundred fifty-seven (457) millimeters) clearance in front of the water closet or bidet to any wall, fixture, or door. Water closet compartments shall not be less than thirty (30) inches (seven hundred sixty-two (762) millimeters) wide and sixty (60) inches (one thousand five hundred twenty-four (1,524) millimeters) deep. There shall be at least eighteen (18) inches (four hundred fifty-seven (457) millimeters) clearance in front of a lavatory to any wall, fixture, or door. See FIGURE 29.

2. Urinals: A urinal shall not be set closer than fifteen (15) inches (three hundred eighty-one (381) millimeters) from the center of the urinal to any side wall, partition, vanity or other obstruction, nor closer than thirty (30) inches (seven hundred sixty-two (762) millimeters) center-to-center between urinals.

FIGURE 29
FIXTURE CLEARANCES

FIRE PREVENTION AND BUILDING SAFETY COMMISSION



SECTION 2909. Drinking Fountains. Where required by TABLE No. 29, drinking fountains shall be installed.

EXCEPTIONS: 1. Where water is served in restaurants or where bottled water coolers are provided in other occupancies, drinking fountains shall not be required.

2. Drinking fountains shall not be installed in public rest rooms or nonprivate bathrooms.

SECTION 2910. Substitution of urinals for water closets. In each bathroom or toilet room, urinals shall not be substituted for more than fifty percent (50%) of the required water closets.

SECTION 2911. Access: Where access by persons with a disability is required by Chapter 11, accessible toilet and other facilities shall be provided as specified in that chapter.

SECTION 2912. Unisex bathing and toilet rooms.

2912.1 General. Unisex bathing and toilet rooms shall comply with this section and Chapter 11.

In Groups A and M Occupancies, an accessible unisex toilet room shall be provided where an aggregate of six (6) or more male and female water closets are required. In buildings of mixed occupancy, only those water closets required for the Group A or M Occupancy shall be used to determine the unisex toilet room requirement.

2912.2 Location. Unisex toilet and bathing rooms shall be located on an accessible route. Unisex toilet rooms shall be located not more than one (1) story above or below separate-sex toilet facilities. The accessible route from any separate-sex toilet room to a unisex toilet room shall not exceed five hundred (500) feet (one hundred fifty-two thousand four hundred (152,400) millimeters).

Additionally, in passenger transportation facilities and airports, the accessible route from separate-sex toilet facilities to a unisex toilet room shall not pass through security checkpoints.

2912.3 Clear floor space. Where doors swing into a unisex toilet or bathing room, a clear floor space not less than thirty (30) inches by forty-eight (48) inches (seven hundred sixty-two (762) millimeters) by one thousand two hundred nineteen (1,219) millimeters) shall be provided within the room, beyond the area of the door swing.

2912.4 Required fixtures.

2912.4.1 Unisex toilet rooms. Unisex toilet rooms shall include only one (1) water closet and only one (1) lavatory. Where a bathing facility is provided within a unisex toilet room, only one (1) shower shall be provided.

EXCEPTION: A separate-sex toilet room containing not more than two (2) water closets without urinals, or containing only one (1) water closet and one (1) urinal, may be considered a unisex toilet room.

2912.4.2 Unisex bathing rooms. Unisex bathing rooms shall include one (1) shower fixture. Unisex bathing rooms shall also include one (1) water closet and one (1) lavatory. Where storage facilities are provided for separate-sex bathing facilities, accessible storage facilities shall be provided for unisex bathing rooms.

TABLE No. 29
MINIMUM NUMBER OF PLUMBING FACILITIES¹

Type of Building or Occupancy ²	Water Closets ¹³ (Fixtures per Person)		Urinals ^{5,9} (Fixtures per Person)	Lavatories (Fixtures per Person)		Bathtubs or Showers (Fixtures per Person)	Drinking Fountains ^{3,12} (Fixtures per Person)
	Male	Female		Male	Female		
Assembly places, theaters, auditoriums, convention halls, etc., for permanent employee use	1: 1-15	1: 1-15	0: 1-9	1 per 40	1 per 40		
	2: 16-35	3: 16-35	1: 10-50				
	3: 36-55	4: 36-55	Add 1 fixture for each additional 50 males				
	Over 55, add 1 fixture for each additional 40 persons						

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Assembly places, theaters, auditoriums, convention halls, etc. for public use	Male 1: 1-100 2: 101-200 3: 201-400 Over 400, add 1 fixture for each additional 500 males and 1 for each additional 125 females	Female 3: 1-50 4: 51-100 8: 101-200 11: 201-400	Male 1: 1-100 2: 101-200 3: 201-400 4: 401-600 Over 600, add 1 fixture for each additional 300 males	Male 1: 1-200 2: 201-400 3: 401-750 Over 750, add 1 fixture for each additional 500 persons	Female 1: 1-200 2: 201-400 3: 401-750	1: 1-150 2: 151-400 3: 401-750 Over 750, add 1 fixture for each additional 500 persons	
Dormitories ⁸ School or labor	Male 1 per 10 Add 1 fixture for each additional 25 males (over 10) and 1 for each additional 20 females (over 8)	Female 1 per 8	Male 1 per 25 Over 150, add 1 fixture for each additional 50 males	Male 1 per 12 Over 12, add 1 fixture for each additional 20 males and 1 for each 15 additional females	Female 1 per 12	1 per 8 For females, add 1 bathtub per 30 Over 150, add 1 per 20	1 per 150 ¹¹
Dormitories for staff use	Male 1: 1-15 2: 16-35 3: 36-55 Over 55, add 1 fixture for each additional 40 persons	Female 1: 1-15 3: 16-35 4: 36-55	Male 1 per 50	Male 1 per 40	Female 1 per 40	1 per 8	
Dwellings ⁴ Single dwelling Multiple dwelling or apartment house	1 per dwelling 1 per dwelling or apartment unit			1 per dwelling 1 per dwelling or apartment unit		1 per dwelling 1 per dwelling or apartment unit	
Hospital waiting rooms	1 per room			1 per room			1 per 150 ¹¹
Hospitals for employee use	Male 1: 1-15 2: 16-35 3: 36-55 Over 55, add 1 fixture for each additional 40 persons	Female 1: 1-15 3: 16-35 4: 36-55	Male 0: 1-9 1: 10-50 Add 1 fixture for each additional 50 males	Male 1 per 40	Female 1 per 40		
Hospitals Individual room Ward room	1 per room 1 per 8 patients			1 per room 1 per 10 patients		1 per room 1 per 20 patients	1 per 150 ¹¹
Industrial warehouses, workshops, foundries, and similar establishments for employee use	Male 1: 1-10 2: 11-25 3: 26-50 4: 51-75 5: 76-100 Over 100, add 1 fixture for each additional 30 persons	Female 1: 1-10 2: 11-25 3: 26-50 4: 51-75 5: 76-100		Up to 100, 1 per 10 persons Over 100, 1 per 15 persons ^{6,7}		1 shower for each 15 persons exposed to excessive heat or to skin contamination with poisonous, infectious, or irritating material	1 per 150 ¹¹
Institutional—Other than hospitals or penal institutions (on each occupied floor)	Male 1 per 25	Female 1 per 20	Male 0: 1-9 1: 10-50 Add 1 fixture for each additional 50 males	Male 1 per 10	Female 1 per 10	1 per 8	1 per 150 ¹¹
Institutional—Other than hospitals or penal institutions for employee use	Male 1: 1-15 2: 16-35 3: 36-55 Over 55, add 1 fixture for each additional 40 persons	Female 1: 1-15 3: 16-35 4: 36-55	Male 0: 1-9 1: 10-50 Add 1 fixture for each additional 50 males	Male 1 per 40	Female 1 per 40	1 per 8	1 per 150 ¹¹

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Office or public buildings	Male 1: 1-100 2: 101-200 3: 201-400 Over 400, add 1 fixture for each additional 500 males and 1 for each additional 150 females	Female 3: 1-50 4: 51-100 8: 101-200 11: 201-400	Male 1: 1-100 2: 101-200 3: 201-400 4: 401-600 Over 600, add 1 fixture for each additional 300 males	Male 1: 1-200 2: 201-400 3: 401-750 Over 750, add 1 fixture for each additional 500 persons	Female 1: 1-200 2: 201-400 3: 401-750	1 per 150 ¹¹
Office or public buildings for employee use	Male 1: 1-15 2: 16-35 3: 36-55 Over 55, add 1 fixture for each additional 40 persons	Female 1: 1-15 3: 16-35 4: 36-55	Male 0: 1-9 1: 10-50 Add 1 fixture for each additional 50 males	Male 1 per 40	Female 1 per 40	
Penal institutions for employee use	Male 1: 1-15 2: 16-35 3: 36-55 Over 55, add 1 fixture for each additional 40 persons	Female 1: 1-15 3: 16-35 4: 36-55	Male 0: 1-9 1: 10-50 Add 1 fixture for each additional 50 males	Male 1 per 40	Female 1 per 40	1 per 150 ¹¹
Penal institutions for prison use						
Cell	1 per cell		Male 1 per exercise room	1 per cell		1 per cell block floor
Exercise room	1 per exercise room		1 per exercise room	1 per exercise room		1 per exercise room
Restaurants, pubs, and lounges ¹⁰	Male 1: 1-50 2: 51-150 3: 151-300 Over 300, add 1 fixture for each additional 200 persons	Female 1: 1-50 2: 51-150 4: 151-300	Male 1: 1-150 Over 150, add 1 fixture for each additional 150 males	Male 1: 1-150 2: 151-200 3: 201-400 Over 400, add 1 fixture for each additional 400 persons	Female 1: 1-150 2: 151-200 3: 201-400	
Schools—for staff use						
All schools	Male 1: 1-15 2: 16-35 3: 36-55 Over 55, add 1 fixture for each additional 40 persons	Female 1: 1-15 2: 16-35 3: 36-55	Male 1 per 50	Male 1 per 40	Female 1 per 40	
Schools—for student use						
Nursery	Male 1: 1-20 2: 21-50 Over 50, add 1 fixture for each additional 50 persons	Female 1: 1-20 2: 21-50		Male 1: 1-25 2: 26-50 Over 50, add 1 fixture for each additional 50 persons	Female 1: 1-25 2: 26-50	1 per 150 ¹¹
Elementary	Male 1 per 30	Female 1 per 25	Male 1 per 75	Male 1 per 35	Female 1 per 35	1 per 150 ¹¹
Secondary	Male 1 per 40	Female 1 per 30	Male 1 per 35	Male 1 per 40	Female 1 per 40	1 per 150 ¹¹
Other (Colleges, universities, adult centers, etc.)	Male 1 per 40	Female 1 per 30	Male 1 per 35	Male 1 per 40	Female 1 per 40	1 per 150 ¹¹
Worship places						
Educational and activities unit	Male 1 per 150	Female 1 per 75	Male 1 per 50	1 per 2 water closets		1 per 150 ¹¹
Worship places						
Principal assembly place	Male 1 per 150	Female 1 per 75	Male 1 per 150	1 per 2 water closets		1 per 150 ¹¹
Retail sales	1 per 500			1 per 750		1 per 1,000

¹¹The figures shown are based upon one (1) fixture being the minimum required for the number of persons indicated or any fraction thereof.

²Building categories not shown on this table shall be considered separately by the building official.

³Drinking fountains shall not be installed in toilet rooms.

⁴Laundry trays. One (1) laundry tray or one (1) automatic washer standpipe for each dwelling unit or one (1) laundry tray or one (1) automatic washer standpipe, or combination thereof, for each twelve (12) apartments. Kitchen sinks, one (1) for each dwelling or apartment unit.

⁵For each urinal added in excess of the minimum required, one (1) water closet may be deducted. The number of water closets shall not be reduced to less than two-thirds (2/3) of the minimum requirement.

⁶Where there is exposure to skin contamination with poisonous, infectious, or irritating materials, provide one (1) lavatory for each five (5) persons.

⁷Twenty-four (24) lineal inches (six hundred ten (610) millimeters) of wash sink or eighteen (18) inches (four hundred fifty-seven (457) millimeters) of a circular basin, when provided with water outlets for such space, shall be considered equivalent to one (1) lavatory.

⁸Laundry trays, one (1) for each fifty (50) persons. Slop sinks, one (1) for each one hundred (100) persons.

⁹Trough urinals are prohibited.

¹⁰A restaurant is defined as a business which sells food to be consumed on the premises.

a. The number of occupants for a drive-in restaurant shall be considered as equal to the number of parking stalls.

b. Employee toilet facilities are not to be included in the above restaurant requirements. Hand washing facilities must be available in the kitchen for employees.

¹¹Where food is consumed indoors, water stations may be substituted for drinking fountains. Office [*sic.*, *Offices*] or public buildings for use by more than six (6) persons shall have one (1) drinking fountain for the first one hundred fifty (150) persons and one (1) additional fountain for each three hundred (300) persons thereafter.

¹²There shall be a minimum of one (1) drinking fountain per occupied floor in schools, theaters, auditoriums, dormitories, offices, or public building [*sic.*, *buildings*].

¹³The total number of water closets for females shall be at least equal to the total number of water closets and urinals for males.

(*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-150; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2892; filed Jul 29, 1999, 11:05 a.m.: 22 IR 3926*)

675 IAC 13-2.3-151 Section 3001; elevators, dumbwaiters, escalators, and moving walks, scope

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 151. Change section 3001 to read as follows: The provisions of this chapter, Chapter 11, and the Indiana Elevator Safety Code [*sic.*, *Indiana Safety Code for Elevators, Escalators, Manlifts, and Hoists*] (675 IAC 21) shall apply to the design, construction, installation, operation, and alteration of elevators, dumbwaiters, escalators, and moving walks and their hoistways. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-151; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2896*)

675 IAC 13-2.3-152 Section 3003.2; smoke detection recall

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 152. Delete, in the second paragraph of section 3003.2, the words “approved by the chief of the fire department and building official” and substitute “that is determined after consultation with the servicing fire department or as required by local ordinance”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-152; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2896*)

675 IAC 13-2.3-153 Section 3003.4.1; general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 153. Add, to the end of section 3003.4.1, the words “Chapter 11 and the Indiana Elevator Safety Code [*sic.*, *Indiana Safety Code for Elevators, Escalators, Manlifts, and Hoists*] (675 IAC 21)”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-153; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2896*)

675 IAC 13-2.3-154 Section 3003.7; restricted or limited use elevators

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 154. Delete the text of section 3003.7. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-154; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2896*)

675 IAC 13-2.3-155 Section 3006; change in use

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 155. Delete the text of section 3006. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-155; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2896*)

675 IAC 13-2.3-156 Section 3102.3.8; spark arrester

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 156. Change the first sentence of section 3102.3.8 to read as follows: Chimneys attached to any appliance or fireplace that burn solid fuel shall be equipped with a spark arrester. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-156; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2896*)

675 IAC 13-2.3-157 Section 3103; temporary buildings or structures

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 157. Delete section 3103. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-157; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2896*)

675 IAC 13-2.3-158 Chapter 32; construction in the public right-of-way

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 158. Delete Chapter 32 and substitute to read as follows: Delete Chapter 32. This chapter may be enforced by a local unit of government when adopted in local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-158; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2896*)

675 IAC 13-2.3-159 Chapter 33; site work, demolition, and construction

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 159. Delete Chapter 33 and substitute to read as follows: Delete Chapter 33. This chapter may be enforced by a local unit of government when adopted in local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-159; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2896*)

675 IAC 13-2.3-160 Chapter 34; existing structures

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 160. Delete Chapter 34. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-160; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2897*)

675 IAC 13-2.3-161 Section 3504; recognized standards

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 161. Change, in the Chapter 9 reference, the following:

(a) "NFPA 13-1991" to "NFPA 13, 675 IAC 13-1-8".

(b) “NFPA 14-1993” to “NFPA 14, 675 IAC 13-1-9”.

(c) “NFPA 13R-1989” to “NFPA 13R, 675 IAC 13-1-25”.

(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-161; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2897)

675 IAC 13-2.3-162 Appendix Chapter 3, Division I; detention and correctional facilities

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 162. Appendix Chapter 3, Division I is adopted, except as amended as follows: (a) Change the second paragraph of section 316.2 to read as follows: The open space in front of a cell tier, the stairs serving the tiers and not serving other areas, and the mechanical chases serving the cells, when not exceeding two (2) tiers in height in detention or correctional facilities, shall not be considered a vertical shaft whether extending from the floor to ceiling above or from floor to underside of roof.

(b) Change Exception 1 to section 317 to read as follows: 1. Protection may be accomplished with horizontal exits (see Section 1005.3.5) or egress into fenced enclosures (see Section 325 of Appendix Chapter 3, Division 1).

(c) Delete section 320 and substitute to read as follows: In buildings or portions of buildings housing ten (10) or more inmates, in a detention or correctional institution, emergency power shall be supplied to exit illumination fixtures and exit signs per Chapter 10 of this code. Other essential electrical systems shall be provided with an alternate stand-by power source per Section 701 of the Indiana Electrical Code (675 IAC 17). Such essential systems include:

1. all power and lighting circuits in the facility control center;
2. lighting at each staff station;
3. all required communication and signal systems, including staff telephone lines;
4. fire detection and alarm systems;
5. power for electric door lock control and operation;
6. fire pumps where required;
7. all equipment required to provide smoke control.

(d) Delete the second paragraph of section 321.3 and substitute to read as follows: The servicing fire department shall be consulted before placing the fire department hose connections at a specific location or the connectors shall be located as required by local ordinance.

(e) Change the last sentence of section 323.3 to read as follows: Smoke detectors shall be installed in accordance with the Indiana Mechanical Code (675 IAC 18), and their listing.

(f) Delete, in section 323.4, the words “provided in a location approved by the fire department” and substitute as follows: “located after consultation with the servicing fire department or located as required by local ordinance”.

(g) Change section 324.6 to read as follows: In the event of power failure, all exit doors and doors from cells, holding rooms, and other secured areas in detention and correctional occupancies may be electrically operable from the facility control center. Electrically controlled or operated doors shall be designed to allow for manual operation.

(h) Delete the last paragraph of section 325 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-162; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2897)*

675 IAC 13-2.3-163 Appendix Chapter 3, Division II; agricultural buildings

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 163. Delete Division II of Appendix Chapter 3 and substitute as follows: Delete Division II of Appendix Chapter 3. May be enforced by a local unit of government when adopted in local ordinance. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-163; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2897)*

675 IAC 13-2.3-164 Appendix Chapter 3, Division III; requirements for Group R, Division 3 occupancies

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 164. Delete Division III of Appendix Chapter 3. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-164;*

filed Mar 31, 1998, 1:45 p.m.: 21 IR 2897)

675 IAC 13-2.3-165 Appendix Chapter 3, Division IV; requirements for Group R, Division 4 occupancies

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 165. Delete Division IV of Appendix Chapter 3. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-165; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2897)*)

675 IAC 13-2.3-166 Appendix Chapter 4, Division I; barriers for swimming pools, spas, and hot tubs

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 166. Delete Division I of Appendix Chapter 4 and substitute as follows: See the Indiana Swimming Pool Code (675 IAC 20). (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-166; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2898)*)

675 IAC 13-2.3-167 Appendix Chapter 4, Division II; aviation control towers

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 167. Appendix Chapter 4, Division II is adopted except as amended as follows: Section 426 is deleted. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-167; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2898)*)

675 IAC 13-2.3-168 Appendix Chapter 9; basement pipe inlets

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 168. Delete Appendix Chapter 9 and substitute as follows: Delete Appendix Chapter 9. May be enforced by a local unit of government when adopted in local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-168; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2898)*)

675 IAC 13-2.3-169 Appendix Chapter 10; building security

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 169. Delete Appendix Chapter 10. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-169; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2898)*)

675 IAC 13-2.3-170 Appendix Chapter 11; accessibility

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 170. Delete Appendix Chapter 11. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-170; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2898)*)

675 IAC 13-2.3-171 Appendix Chapter 12; interior environment

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 171. Delete Appendix Chapter 12. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-171; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2898)*)

675 IAC 13-2.3-172 Appendix Chapter 13; energy conservation in new building construction

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 172. Delete Appendix Chapter 13 and substitute as follows: See the Energy Conservation Code (675 IAC 19). (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-172; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2898*)

675 IAC 13-2.3-173 Appendix Chapter 15; reroofing

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 173. Delete Appendix Chapter 15 and substitute as follows: Delete Appendix Chapter 15. May be enforced by a local unit of government when adopted in local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-173; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2898*)

675 IAC 13-2.3-174 Appendix Chapter 29; minimum plumbing fixtures

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 174. Delete Appendix Chapter 29. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-174; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2898*)

675 IAC 13-2.3-175 Appendix Chapter 30; elevators, dumbwaiters, escalators, and moving walks

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 175. Delete Appendix Chapter 30. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-175; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2898*)

675 IAC 13-2.3-176 Appendix Chapter 31, Division I; flood resistant construction

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 176. Delete Division I of Appendix Chapter 31. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-176; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2898*)

675 IAC 13-2.3-177 Appendix Chapter 31, Division II; membrane structures

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 177. Appendix Chapter 31 Division II is adopted and amended as follows: (a) Change the first sentence of section 3111.2 to read as follows: The provisions of this appendix shall apply to membrane structures erected for a period of more than 30 days.

(b) Change section 3115 to read as follows: All membrane structures shall be structurally designed in accordance with criteria developed by the design professional. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-177; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2898*)

675 IAC 13-2.3-178 Appendix Chapter 31, Division III; patio covers

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 178. Delete Division III of Appendix Chapter 31. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-178;*

filed Mar 31, 1998, 1:45 p.m.: 21 IR 2899)

675 IAC 13-2.3-179 Appendix Chapter 33; excavation and grading

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 179. Delete Appendix Chapter 33 and substitute as follows: Delete Appendix Chapter 33. May be enforced by a local unit of government when adopted in local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-179; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2899*)

675 IAC 13-2.3-180 Appendix Chapter 34; existing structures

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 180. Delete Appendix Chapter 34 and substitute as follows: Delete Appendix Chapter 34. May be enforced by a local unit of government when adopted in local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-180; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2899*)

675 IAC 13-2.3-181 Section 1605.1; design methods, general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 181. Delete, in the exception to section 1605.1, the words "Unless otherwise required by the building official." (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-181; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2899*)

675 IAC 13-2.3-182 Section 1607.4.4; special roof loadings

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 182. Delete the first paragraph of section 1607.4.4 and substitute as follows: Roofs used for special purposes shall be designed for the loads as developed and applied by the special purpose, and the roofs and applied loads shall be identified on the plans submitted to the office of the State Building Commissioner under the General Administrative Rules (675 IAC 12-6). (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-182; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2899*)

675 IAC 13-2.3-183 Section 1614; snow loads

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 183. Change the first paragraph of section 1614 to read as follows: Snow loads shall be as stated in Table 16. Structures being built located in Porter, LaPorte, and St. Joseph Counties shall require investigation by the design professional, or owner when a design professional is not required, to determine the actual maximum snow loading at each site. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-183; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2899*)

675 IAC 13-2.3-184 Section 1618; basic wind speed

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 184. Delete section 1618 and substitute to read as follows: The minimum basic wind speed at any site shall not be less than that shown in Table 16. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-184; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2899*)

675 IAC 13-2.3-185 Sections 1623 and 1624; open framed towers and miscellaneous structures

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 185. Change sections 1623 and 1624 to read as follows:

SECTION 1623 - OPEN-FRAME TOWERS

Radio towers and other towers of trussed construction that are Class 1 structures shall be designed and constructed to withstand wind pressures specified in this section, multiplied by the shape factor set forth in Table 16-H.

SECTION 1624. - MISCELLANEOUS STRUCTURES

Greenhouses, lath houses, and agricultural buildings that are Class 1 structures shall be designed in accordance with Chapter 16, Division III. However, three-fourths ($\frac{3}{4}$) of q_s , but not less than ten (10) psf (0.48 kN/m²), may be substituted for q_s in Formula (20-1). Pressures on local areas at discontinuities need not be considered. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-185; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2899*)

675 IAC 13-2.3-186 Section 1629.1; basis for design

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 186. Delete the last sentence of section 1629.1 and substitute as follows: One and Two Family Dwellings are regulated by the Indiana One and Two Family Dwelling Code (675 IAC 14). (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-186; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2900*)

675 IAC 13-2.3-187 Section 1631.6.3.2; design review

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 187. Delete section 1631.6.3.2 in its entirety. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-187; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2900*)

675 IAC 13-2.3-188 Section 1634.1.2; nonbuilding structures, criteria

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 188. Delete the last paragraph of section 1634.1.2. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-188; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2900*)

675 IAC 13-2.3-189 Section 1636.2.6; rock profiles

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 189. Change the first sentence of section 1636.2.6 to read as follows: The shear wave velocity for rock, Soil Profile Type S_B , shall be either measured on site or estimated by the design professional. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-189; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2900*)

675 IAC 13-2.3-190 Table 16-A; uniform and concentrated loads

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 190. Delete, in note four to Table 16-A, the words “building official” and substitute “design professional or owner when a design professional is not required”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-190; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2900*)

675 IAC 13-2.3-191 Table 16-C; minimum roof live loads¹

Authority: IC 22-13-2-2; IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 191. Delete, in note one to Table 16-C, the words “building official” and substitute “design professional or owner when a design professional is not required”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-191; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2900*)

675 IAC 13-2.3-192 Table 16-I; seismic zone factor z

Authority: IC 22-13-2-2; IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 192. Change the note to Table 16-I to read as follows: Note: The zone shall be determined from Table 16. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-192; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2900*)

675 IAC 13-2.3-193 Figure 16-1 minimum basic wind speeds in miles per hour; Figure 16-2 seismic zone map of the United States

Authority: IC 22-13-2-2; IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 193. (a) Delete Figure 16-1 and Figure 16-2 and substitute as follows: See Table 16.
 (b) Add Table 16 as follows:

TABLE 16
 Wind¹ Seismic¹ Snow³

No.	County	(MPH)	Zone	(PSF)	Foundation ⁴
1	Lake	75*	1	30	36
2	Porter	75*	1	30*	36
3	LaPorte	75*	1	30*	36
4	St. Joseph	75	1	30*	36
5	Elkhart	75	1	30	36
6	LaGrange	75	1	30	36
7	Steuben	75	1	30	36
8	Newton	75	1	30	36
9	Jasper	75	1	30	36
10	Starke	75	1	30	36
11	Pulaski	75	1	30	36
12	Marshall	75	1	30	36
13	Fulton	75	1	30	36
14	Kosciusko	75	1	30	36
15	Noble	75	1	30	36
16	Whitley	75	1	20	36
17	DeKalb	75	1	30	36
18	Allen	75	1	20	36
19	Benton	75	1	20	36
20	White	75	1	20	36
21	Cass	75	1	20	36
22	Miami	75	1	20	36

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23	Wabash	75	1	20	36
24	Huntington	75	1	20	36
25	Wells	75	1	20	36
26	Adams	75	1	20	36
27	Warren	70	1	20	30
28	Tippecanoe	75	1	20	30
29	Carroll	75	1	20	36
30	Clinton	75	1	20	30
31	Howard	75	1	20	30
32	Tipton	75	1	20	30
33	Grant	75	1	20	30
34	Blackford	75	1	20	30
35	Jay	75	1	20	30
36	Fountain	70	1	20	30
37	Montgomery	70	1	20	30
38	Boone	75	1	20	30
39	Hamilton	75	1	20	30
40	Madison	75	1	20	30
41	Delaware	75	1	20	30
42	Randolph	75	1	20	30
43	Vermillion	70	2A	20	30
44	Parke	70	1	20	30
45	Putnam	70	1	20	30
46	Hendricks	70	1	20	30
47	Marion	70	1	20	30
48	Hancock	70	1	20	30
49	Henry	70	1	20	30
50	Wayne	70	1	20	30
51	Vigo	70	2A	20	24
52	Clay	70	1	20	24
53	Owen	70	1	20	24
54	Morgan	70	1	20	30
55	Johnson	70	1	20	30
56	Shelby	70	1	20	30
57	Rush	70	1	20	30
58	Fayette	70	1	20	30
59	Union	70	1	20	30
60	Sullivan	70	2A	20	24
61	Greene	70	2A	20	24
62	Monroe	70	1	20	24
63	Brown	70	1	20	24
64	Bartholomew	70	1	20	24
65	Decatur	70	1	20	24
66	Franklin	70	1	20	24
67	Knox	70	2A	20	24

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68	Daviess	70	2A	20	24
69	Martin	70	2A	20	24
70	Lawrence	70	2A	20	24
71	Jackson	70	2A	20	24
72	Jennings	70	1	20	24
73	Ripley	70	1	20	24
74	Dearborn	70	1	20	24
75	Ohio	70	1	20	24
76	Gibson	70	2A	20	24
77	Pike	70	2A	20	24
78	Dubois	70	2A	20	24
79	Orange	70	2A	20	24
80	Washington	70	2A	20	24
81	Scott	70	1	20	24
82	Jefferson	70	1	20	24
83	Switzerland	70	1	20	24
84	Posey	70	2A	20	24
85	Vanderburgh	70	2A	20	24
86	Warrick	70	2A	20	24
87	Spencer	70	2A	20	24
88	Perry	70	2A	20	24
89	Crawford	70	2A	20	24
90	Harrison	70	1	20	24
91	Floyd	70	1	20	24
92	Clark	70	1	20	24

¹Wind is minimum wind speed in miles per hour. *Indicates those counties with zones of extreme variation, and shall require investigation by the design professional, or owner when a design professional is not required, to determine the actual maximum wind speed at each site; however, the determined minimum wind speed shall be at least seventy-five (75) miles per hour.

²Seismic zone. See Chapter 16, Division III.

³Snow is minimum design snow load in pounds per square foot of horizontal projection. *Indicates those counties with zones of extreme variation, and shall require investigation by the design professional, or owner when a design professional is not required, to determine the actual maximum snow load at each site; however, the determined minimum snow load shall be at least thirty (30) pounds per square foot.

⁴Foundation is minimum foundation depth to bottom of footing from the top of the grade above the footing in inches. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-193; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2900*)

675 IAC 13-2.3-194 Chapter 17; structural tests and inspections

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 194. Delete Chapter 17 and substitute “See the General Administrative Rules (675 IAC 12-6-6(c)(10)(D)) and Industrialized Building Systems (675 IAC 15). (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-194; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2901*)

675 IAC 13-2.3-195 Section 1802; quality and design

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 195. Add a new paragraph to the end of section 1802 to read as follows: All stumps and roots shall be removed from the soil to a depth of at least twelve (12) inches (three hundred five millimeters (305 mm)) below the surface of the ground in the area to be occupied by the building. All wood forms which have been used in placing concrete, if within the ground or between foundation sills and the ground, shall be removed before a building is occupied or used for any purpose. Before completion, loose or casual wood shall be removed from direct contact with the ground under the building. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-195; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2901)*

675 IAC 13-2.3-196 Section 1804.1; general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 196. Delete the last sentence of section 1804.1. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-196; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2901)*

675 IAC 13-2.3-197 Section 1804.2; investigation

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 197. Delete Exceptions 1 and 4 from section 1804.2. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-197; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2901)*

675 IAC 13-2.3-198 Section 1804.3; foundation investigation, reports

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 198. Change section 1804.3 to read as follows: The soil classification and bearing capacity shall be shown on the plans required to be submitted in accordance with the General Administrative Rules, 675 IAC 12-6, to include the following information:

1. A plot showing the location of all test borings and/or excavations;
2. Descriptions and classifications of the materials encountered;
3. Elevation of the water table, if encountered;
4. Recommendations for foundation type and design criteria, including bearing capacity, provisions to minimize the effects of expansive soils and the effects of adjacent loads;
5. Expected total and differential settlement.

EXCEPTION: Foundations conforming with Table 18-1-D.

(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-198; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2902)

675 IAC 13-2.3-199 Section 1806.1; footings, general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 199. Delete the last paragraph of section 1806.1 and substitute as follows: Buildings and foundation systems shall support their applied loads. Scour and water pressure by wind and wave action shall be considered in the design of such buildings and foundation systems. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-199; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2902)*

675 IAC 13-2.3-200 Section 1806.3; bearing walls

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 200. Change section 1806.3 to read as follows: (a) Change the first sentence of section 1806.3 to read as follows: Bearing walls shall be supported on masonry, concrete, or all-weather wood foundations or piles or other foundation systems which shall be

of materials and of sufficient size to support all loads.

(b) Delete Exception 1 to section 1806.3. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-200; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2902*)

675 IAC 13-2.3-201 Section 1806.5.6; alternate setback and clearance

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 201. Delete section 1806.5.6. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-201; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2902*)

675 IAC 13-2.3-202 Section 1806.8.1; designs employing lateral bearing, general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 202. Delete, in section 1806.8.1, the words “or other methods approved by the building official”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-202; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2902*)

675 IAC 13-2.3-203 Section 1807.1; piles, general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 203. (a) Change, in the first paragraph, the words “building official” to “state building commissioner under the General Administrative Rules (675 IAC 12-6)”.

(b) Delete the last paragraph of section 1807.1. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-203; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2902*)

675 IAC 13-2.3-204 Section 1807.2; interconnection

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 204. Delete the exception in section 1807.2. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-204; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2902*)

675 IAC 13-2.3-205 Section 1807.5; column action

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 205. Change the last sentence of section 1807.5 to read as follows: Such piles driven into firm ground may be considered fixed and laterally supported at five (5) feet below the ground surface and in soft material at ten (10) feet below the ground surface unless the foundation investigation indicates either greater or lesser requirements. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-205; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2902*)

675 IAC 13-2.3-206 Section 1807.6; group action

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 206. Change the last sentence of section 1807.6 to read as follows: Where soil conditions make such load reductions advisable or necessary, the allowable axial load determined for a single pile shall be reduced by any rational method or formula. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-206; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2902*)

675 IAC 13-2.3-207 Section 1807.8; jetting

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 207. Delete the first sentence of section 1807.8. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-207; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2903*)

675 IAC 13-2.3-208 Section 1807.10; allowable loads

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 208. Delete the exception to section 1807.10. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-208; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2903*)

675 IAC 13-2.3-209 Section 1807.11; use of higher allowable pile stresses

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 209. Change section 1807.11 to read as follows: Allowable compressive stresses greater than those specified in section 1808 shall be permitted when substantiating data justifying such higher stresses is included in the foundation investigation as submitted with the design documents submitted for design release to the office of the State Building Commissioner. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-209; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2903*)

675 IAC 13-2.3-210 Section 1808.2.1; uncased cast-in-place concrete piles, material

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 210. Delete the exception to section 1808.2.1. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-210; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2903*)

675 IAC 13-2.3-211 Section 1808.3.2; installation

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 211. Delete, in the last paragraph of section 1808.3.2, the words “unless approved by the building official”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-211; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2903*)

675 IAC 13-2.3-212 Section 1811.5; polyethylene sheeting

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 212. Change section 1811.5 read as follows: Polyethylene sheeting shall be six (6) mil-thick and be lapped six (6) inches and sealed with adhesive. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-212; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2903*)

675 IAC 13-2.3-213 Section 1811.8; soil characteristics

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 213. Change section 1811.8 as follows: (a) Change the second sentence of the first paragraph to read as follows: Design properties are provided in Table 18-1-A or by the design professional.

(b) Change the last paragraph to read as follows: Organic soils, OL, OH, and Pt are unsatisfactory for foundations. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-213; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2903)*

675 IAC 13-2.3-214 Section 1812.1; drainage and moisture control, general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 214. Delete, in the last sentence of section 1812.1, the words “persons qualified in accordance with the authority having jurisdiction” and substitute “the design professional”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-214; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2903)*

675 IAC 13-2.3-215 Section 1812.5; perimeter drainage control

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 215. Delete, in the first sentence of section 1812.5, the words “and acceptable to the authority having jurisdiction”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-215; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2903)*

675 IAC 13-2.3-216 Section 1817, Appendix A, and section 1818, Appendix B

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 216. Delete section 1817, Appendix A, and section 1818, Appendix B. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-216; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2903)*

675 IAC 13-2.3-217 Section 1903.3.1; aggregates

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 217. Change, in item 5 of section 1903.3.1, the word “authorized” to “approved”. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-217; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2903)*

675 IAC 13-2.3-218 Section 1905.6.1.3; frequency of testing

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 218. Change section 1905.6.1.3 to read as follows: When the total quantity of a given class (by specified structural strength, cement type, aggregate, or admixture) of concrete is less than fifty (50) cubic yards, strength tests are not required when previous field tests of the same mix design have met or exceeded the specified structural design requirements. A record of such previous field test results shall be maintained at the job site. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-218; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2904)*

675 IAC 13-2.3-219 Section 1905.6.4.5; investigation of low strength test results

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 219. Change section 1905.6.4.5 to read as follows: When the requirements of section 1905.6.4.4 are not met, other appropriate action shall be taken by the design professional to insure that the building structure will both support the loads prescribed by this code and resist the lateral forces prescribed by this code. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-219; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2904)*

675 IAC 13-2.3-220 Section 1905.7.1, Item 6; preparation of equipment and place of deposit

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 220. Delete, in section 1905.7.1, Item 6, the words “or unless otherwise permitted by the building official”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-220; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2904*)

675 IAC 13-2.3-221 Section 1905.10.4; depositing

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 221. Change section 1905.10.4 to read as follows: Retempered concrete or concrete that has been remixed after initial set shall not be used. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-221; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2904*)

675 IAC 13-2.3-222 Section 1906.3.1; conduits and pipes embedded in concrete

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 222. Change section 1906.3.1 to read as follows: Conduits, pipes, and sleeves of any material not harmful to concrete and within limitations of this section may be embedded in concrete provided they are not considered to replace structurally the displaced concrete. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-222; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2904*)

675 IAC 13-2.3-223 Section 1906.3.5; conduits and pipes embedded in concrete

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 223. Change section 1906.3.5 to read as follows: Conduits and pipes embedded within a slab, wall, or beam, other than those merely passing through, shall satisfy the following:

1906.3.5.1 They shall be not larger in outside dimension than one-third ($\frac{1}{3}$) the overall thickness of slab, wall, or beam in which they are embedded.

1906.3.5.2 They shall be spaced not closer than three (3) diameters or widths on center.

1906.3.5.3 They shall not impair significantly the strength of the construction.

(*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-223; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2904*)

675 IAC 13-2.3-224 Section 1907.3.1; bending

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 224. Change section 1907.3.1 to read as follows: All reinforcement shall be bent cold unless otherwise permitted by the design professional. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-224; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2904*)

675 IAC 13-2.3-225 Section 1907.3.2; bending

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 225. Change section 1907.3.2 to read as follows: Reinforcement partially embedded in concrete shall not be field bent, except as allowed by the design professional. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-225; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2904*)

675 IAC 13-2.3-226 Section 1907.5.2; placing reinforcement

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 226. Change the first three (3) lines of section 1907.5.2 to read as follows: Reinforcement, prestressing tendons, and prestressing ducts shall be placed with the following tolerances: (Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-226; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2904)

675 IAC 13-2.3-227 Section 1907.5.4; placing reinforcement

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 227. Change Exception 2 to section 1907.5.4 to read as follows: Welding of crossing bars for assembly purposes may be permitted, provided that data submitted to the state building commissioner under the General Administrative Rules (675 IAC 12-6) with the construction documents shows that there is no detrimental effect on the action of the structural member as a result of welding of the crossing bars. (Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-227; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2905)

675 IAC 13-2.3-228 Section 1912.14.1; splices of reinforcement

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 228. Delete, in section 1912.14.1, the words “building official” and substitute “design professional”. (Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-228; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2905)

675 IAC 13-2.3-229 Section 1916.7.1; items embedded after concrete placement

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 229. Change, in section 1916.7.1, the words “approved by the engineer” to “when allowed by the design professional”. (Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-229; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2905)

675 IAC 13-2.3-230 Section 1920; strength evaluation of existing structures

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 230. Delete section 1920. (Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-230; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2905)

675 IAC 13-2.3-231 Section 1924.4; shotcrete, reinforcement

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 231. Delete, in the exception to section 1924.4, the words “Subject to the approval of the building official.” (Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-231; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2905)

675 IAC 13-2.3-232 Section 1924.11.1; inspections, during placement

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 232. Change section 1924.11.1 to read as follows: During placement. When shotcrete is used for columns or beams, the

inspecting design professional shall insure that inspection of the placement of reinforcement and shotcreting occurs, so that such work shall be in full compliance with the plans and specifications as developed by the design professional. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-232; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2905)*

675 IAC 13-2.3-233 Section 1924.11.2; inspections, visual examination for structural soundness of in-place shotcrete

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 233. Change section 1924.11.2 as follows: (a) Change the last sentence to read as follows: The cores shall be examined by the inspecting design professional.

(b) Change the exception to read as follows: Shotcrete work fully supported on earth and minor repairs. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-233; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2905)*

675 IAC 13-2.3-234 Section 1924.12; equipment

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 234. Change section 1924.12 to read as follows: The equipment used in preconstruction testing shall be the same equipment used in the work requiring such testing, unless substitute equipment is allowed by the design professional. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-234; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2905)*

675 IAC 13-2.3-235 Section 2001.2; alloys

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 235. Delete section 2001.2. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-235; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2905)*

675 IAC 13-2.3-236 Section 2102.1; quality

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 236. Delete the last sentence of the first paragraph of section 2102.1. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-236; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2905)*

675 IAC 13-2.3-237 Section 2105.1; general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 237. Delete the last sentence of section 2105.1. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-237; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2905)*

675 IAC 13-2.3-238 Section 2105.3.2; masonry prism testing

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 238. Delete the last sentence of section 2105.3.2, item 1. *(Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-238; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2906)*

675 IAC 13-2.3-239 Section 2105.3.3; masonry prism testing record

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 239. Delete the last sentence of section 2105.3.3, item 1. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-239; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2906*)

675 IAC 13-2.3-240 Section 2105.4; mortar testing

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 240. Delete, in section 2105.4, the words “when required”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-240; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2906*)

675 IAC 13-2.3-241 Section 2105.5; grout testing

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 241. Delete, in section 2105.5, the words “when required”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-241; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2906*)

675 IAC 13-2.3-242 Section 2106.2.6; effective width of intersecting walls

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 242. Delete the second sentence of section 2106.2.6. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-242; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2906*)

675 IAC 13-2.3-243 Section 2109.1; empirical design of masonry, general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 243. Delete, at the end of section 2109.1, the words “subject to approval of the building official”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-243; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2906*)

675 IAC 13-2.3-244 Section 2211.4; part 1 load and resistance factor design (LRFD)

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 244. Delete, in section 2211.4, items 2.2.f., 2.3.f., and 11. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-244; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2906*)

675 IAC 13-2.3-245 Chapter 22, Division X; steel storage racks

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 245. Delete Division X of Chapter 22. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-245; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2906*)

675 IAC 13-2.3-246 Sections 2304.4.3 and 2304.4.4; structural glued-laminated timber and metal-plate-connected wood trusses

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 246. Delete sections 2304.4.3 and 2304.4.4. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-246; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2906*)

675 IAC 13-2.3-247 Section 2306.4; plates, sills, and sleepers

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36

Sec. 247. Delete the last two (2) sentences of section 2306.4. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-247; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2906*)

675 IAC 13-2.3-248 Section 2306.7; under-floor ventilation

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 248. Delete, in the last sentence of section 2306.7, the words “where moisture due to climate and groundwater conditions is not considered excessive” and add, between “provided” and “the”, the words “that all areas of”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-248; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2906*)

675 IAC 13-2.3-249 Section 2306.12; weather exposure

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 249. Change section 2306.12 as follows: (a) Change the second sentence of the second paragraph to read as follows: Approved wood of natural resistance to decay or treated wood shall be used for those portions of wood members which form the structural supports of buildings, balconies, porches, or similar permanent building appurtenances when such members are exposed to the weather without adequate protection from a roof, eave, overhang, or other covering to prevent moisture or water accumulation on the surface or at joints between members.

(b) Delete, in the third sentence of the second paragraph, “Depending on local experience”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-249; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2906; filed Jul 29, 1999, 11:05 a.m.: 22 IR 3932*)

675 IAC 13-2.3-250 Section 2308; wall framing

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 250. Delete, at the end of the first paragraph of section 2308, the words “unless a specific design is furnished”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-250; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2907*)

675 IAC 13-2.3-251 Section 2310.5; particleboard

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 251. Delete, at the end of the fourth sentence of section 2310.5, the words “to the satisfaction of the building official”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-251; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2907*)

675 IAC 13-2.3-252 Section 2310.6; hardboard

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 252. Delete, in section 2310.6, the words “to the satisfaction of the building official”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-252; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2907*)

675 IAC 13-2.3-253 Section 2320.5.4.7; unusually shaped buildings

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 253. Delete, in section 2320.5.4.7, the words “, in the opinion of the building official,”. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-253; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2907*)

675 IAC 13-2.3-254 Section 2321.3; in-plant inspection

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 254. Delete section 2321.3 in its entirety. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-254; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2907*)

675 IAC 13-2.3-255 Appendix Chapter 16; structural forces

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 255. Delete Appendix Chapter 16. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-255; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2907*)

675 IAC 13-2.3-256 Appendix Chapter 18; waterproofing and dampproofing foundations

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 256. Appendix Chapter 18 is adopted and is enforceable except as amended as follows: (a) Change section 1821 in Appendix Chapter 18 to read as follows: A subsurface soils investigation shall be made in accordance with Section 1804.3, Item 3, to determine the possibility of the groundwater table rising above the proposed elevation of the floor or floors below grade.

EXCEPTION 1. When foundation waterproofing is provided.

(b) Number the exception in section 1822 in Appendix Chapter 18 as 1 and add Exception 2 to read as follows: 2. Group S-4 and U occupancies.

(c) Change the exception to section 1825.4 in Appendix Chapter 18 to read as follows: EXCEPTION: Where a site is located in well-drained gravel or sand-gravel mixture soils, Types [*sic.*, *Type*] GW, GP, SW, or SP as identified in Uniform Building Code Standard 18-1, a dedicated drainage system need not be provided. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-256; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2907*)

675 IAC 13-2.3-257 Appendix Chapter 19; protection of residential concrete exposed to freezing and thawing

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 257. Delete Appendix Chapter 19. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-257; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2907*)

675 IAC 13-2.3-258 Appendix Chapter 21; prescriptive masonry construction in high wind areas

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 258. Delete Appendix Chapter 21. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-258; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2907*)

675 IAC 13-2.3-259 Appendix Chapter 23; conventional light-frame construction in high wind areas

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 259. Delete Appendix Chapter 23. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-259; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2907*)

675 IAC 13-2.3-260 Uniform Building Code Standard 9-1, installation of sprinkler systems

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 260. Delete the text of Uniform Building Code Standard 9-1, Installation of Sprinkler System, and substitute to read as follows: See NFPA 13, 675 IAC 13-1-8. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-260; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2907*)

675 IAC 13-2.3-261 Uniform Building Code Standard 9-2, standpipe systems

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 261. Delete the text of Uniform Building Code Standard 9-2, Standpipe Systems, and substitute to read as follows: See NFPA 14, 675 IAC 13-1-9. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-261; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2908*)

675 IAC 13-2.3-262 Uniform Building Code Standard 9-3, installation of sprinkler systems in Group R occupancies four stories or less

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 262. Delete the text of Uniform Building Code Standard 9-3, installation of sprinkler systems in Group R occupancies four stories or less, and substitute to read as follows: See NFPA 13R, 675 IAC 13-1-25. (*Fire Prevention and Building Safety Commission; 675 IAC 13-2.3-262; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2908*)

Rule 3. Indiana Building Code Standards (Repealed)

(*Repealed by Fire Prevention and Building Safety Commission; filed Feb 15, 1989, 5:00 p.m.: 12 IR 1552, eff Apr 3, 1989*)

Rule 3.1. Indiana Building Code Standards (Repealed)

(*Repealed by Fire Prevention and Building Safety Commission; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1126, eff Jan 3, 1993*)

Rule 3.2. Indiana Building Code Standards, 1993 Edition (Repealed)

(*Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:45 p.m.: 21 IR 2908*)

Rule 4. Handicapped Accessibility Code (Repealed)

(*Repealed by Fire Prevention and Building Safety Commission; filed Dec 15, 1989, 5:05 p.m.: 13 IR 896*)

Rule 4.1. Indiana Handicapped Accessibility Code, Second Edition (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Mar 13, 1995, 2:30 p.m.: 18 IR 2102)

Rule 4.2. American National Standard A117.1-1986 (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Mar 13, 1995, 2:30 p.m.: 18 IR 2102)

ARTICLE 14. ONE AND TWO FAMILY DWELLING CODE

Rule 1. Indiana One and Two Family Dwelling Code (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)

Rule 2. Amendments to the Adopted CABO One and Two Family Dwelling Code (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Jan 15, 1987, 10:40 am: 10 IR 1272, eff Mar 1, 1987)

Rule 2.1. CABO One and Two Family Dwelling Code; Amendments

675 IAC 14-2.1-1 Scope (Repealed)

Sec. 1. (Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)

675 IAC 14-2.1-2 Authority (Repealed)

Sec. 2. (Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)

675 IAC 14-2.1-3 Violations (Repealed)

Sec. 3. (Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)

675 IAC 14-2.1-4 Penalty (Repealed)

Sec. 4. (Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)

675 IAC 14-2.1-5 Right of appeal (Repealed)

Sec. 5. (Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)

675 IAC 14-2.1-6 Alternate materials, methods and designs (Repealed)

Sec. 6. (Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)

675 IAC 14-2.1-7 Permit required (Repealed)

Sec. 7. (Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)

675 IAC 14-2.1-8 Other inspections (Repealed)

Sec. 8. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-9 Approval required (Repealed)

Sec. 9. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-10 Existing installations (Repealed)

Sec. 10. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-11 Definitions (Repealed)

Sec. 11. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-12 Climatic and geographic criteria (Repealed)

Sec. 12. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-13 Workmanship (Repealed)

Sec. 13. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-14 Parapets (Repealed)

Sec. 14. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-15 Structural independence (Repealed)

Sec. 15. *(Repealed by Fire Prevention and Building Safety Commission; filed Feb 8, 1988, 10:03 am: 11 IR 1796)*

675 IAC 14-2.1-16 Bathrooms (Repealed)

Sec. 16. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-17 Heating (Repealed)

Sec. 17. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-18 Hazardous locations (Repealed)

Sec. 18. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-19 Attached garages (Repealed)

Sec. 19. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-20 Garages, carports and accessory structures (Repealed)

Sec. 20. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-21 Emergency egress openings (Repealed)

Sec. 21. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-22 Landings (Repealed)

Sec. 22. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-23 Spiral stairs and winders (Repealed)

Sec. 23. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-24 Smoke detector required (Repealed)

Sec. 24. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-25 Attics and crawlspaces (Repealed)

Sec. 25. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-26 Climatic and geographic design criteria; Table No. R-202 (Repealed)

Sec. 26. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-27 Minimum uniformly distributed live loads; Table No. R-202.4 (Repealed)

Sec. 27. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-28 Roof live loads; Figure No. R-202.1 (Repealed)

Sec. 28. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-29 Frost line depth; Figure No. R-202.2 (Repealed)

Sec. 29. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-30 Detached garages, detached carports or accessory structures; Table No. R-210 (Repealed)

Sec. 30. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-31 Soil test (Repealed)

Sec. 31. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-32 Concrete (Repealed)

Sec. 32. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-33 Footings (Repealed)

Sec. 33. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-34 Backfill damage (Repealed)

Sec. 34. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-35 Drains required (Repealed)

Sec. 35. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-36 Dampproofing for concrete and masonry foundations (Repealed)

Sec. 36. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-37 Location required (Repealed)

Sec. 37. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-38 Drainage (Repealed)

Sec. 38. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-39 Minimum specified compressive strength of concrete; Table No. R-302.3 (Repealed)

Sec. 39. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-40 Minimum foundation requirements; Figure No. R-303 (Repealed)

Sec. 40. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-41 Construction (Repealed)

Sec. 41. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-42 Cutting and notching (Repealed)

Sec. 42. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-43 Firestopping (Repealed)

Sec. 43. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-44 Draftstopping (Repealed)

Sec. 44. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-45 Plywood (Repealed)

Sec. 45. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-46 Fastener schedule for structural members; Table No. R-402.3.2 (Repealed)

Sec. 46. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-47 Figure No. R-402.3.2 (Repealed)

Sec. 47. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-48 Flashing (Repealed)

Sec. 48. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-49 Flashing (Repealed)

Sec. 49. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-50 Weather-resistant siding attachment and minimum thickness; Table No. R-503.6 (Repealed)

Sec. 50. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-51 Bearing (Repealed)

Sec. 51. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-52 Base (Repealed)

Sec. 52. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-53 Floor underlayment (Repealed)

Sec. 53. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-54 Floor construction; Figure No. R-601.2 (Repealed)

Sec. 54. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-55 Framing details (Repealed)

Sec. 55. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-56 Allowable spans (Repealed)

Sec. 56. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-57 Bearing (Repealed)

Sec. 57. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-58 Attic ventilation (Repealed)

Sec. 58. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-59 Attic access (Repealed)

Sec. 59. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-60 Framing details; Figure No. R-702.3 (Repealed)

Sec. 60. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-61 Requirements (Repealed)

Sec. 61. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-62 Deck preparation (Repealed)

Sec. 62. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-63 Composition shingles (Repealed)

Sec. 63. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-64 General (Repealed)

Sec. 64. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-65 Slopes less than four inches (4") in twelve inches (12") but not less than two inches (2") in twelve inches (12") (Repealed)

Sec. 65. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-66 Fasteners (Repealed)

Sec. 66. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-67 Valley flashing (Repealed)

Sec. 67. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-68 Wall flashing (Repealed)

Sec. 68. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-69 Other flashing (Repealed)

Sec. 69. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-70 Hips and ridges (Repealed)

Sec. 70. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-71 Built-up roofing (Repealed)

Sec. 71. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-72 Roof coverings; Table No. R-801.2 (Repealed)

Sec. 72. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-73 Support (Repealed)

Sec. 73. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-73.1 Flue lining (Repealed)

Sec. 73.1. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-74 Flue area (Repealed)

Sec. 74. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-75 Fireplace support (Repealed)

Sec. 75. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-76 Fireplace and chimney details; Figure No. R-904 (Repealed)

Sec. 76. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-77 Installation (Repealed)

Sec. 77. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-78 Definitions (Repealed)

Sec. 78. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-79 General (Repealed)

Sec. 79. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-80 Type of fuel; fuel connection (Repealed)

Sec. 80. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-81 Fuel-burning appliance labeling (Repealed)

Sec. 81. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-82 Appliance (Repealed)

Sec. 82. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-83 General air supply (Repealed)

Sec. 83. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-84 Existing buildings (Repealed)

Sec. 84. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-85 Prohibited sources (Repealed)

Sec. 85. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-86 Interior spaces (Repealed)

Sec. 86. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-87 Attic combustion air (Repealed)

Sec. 87. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-88 Combustion air (Repealed)

Sec. 88. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-89 Ducts (Repealed)

Sec. 89. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-90 Area of combustion air openings (Repealed)

Sec. 90. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-91 Cold climate (Repealed)

Sec. 91. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-92 Appliance room combustion air requirements in cold climates; Table No. M-1211 (Repealed)

Sec. 92. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-93 Existing furnaces (Repealed)

Sec. 93. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-94 Prohibited location (Repealed)

Sec. 94. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-95 General (Repealed)

Sec. 95. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-96 General (Repealed)

Sec. 96. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-97 Circulating air supply—prohibited source (Repealed)

Sec. 97. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-98 General (Repealed)

Sec. 98. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-99 Floor furnaces (Repealed)

Sec. 99. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-100 Floor furnace access (Repealed)

Sec. 100. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-101 Floor furnace installation (Repealed)

Sec. 101. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-102 General (Repealed)

Sec. 102. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-103 Installation requirements (Repealed)

Sec. 103. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-104 Access (Repealed)

Sec. 104. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-105 Joints and seams of ducts (Repealed)

Sec. 105. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-106 Installation (Repealed)

Sec. 106. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-107 Installation (Repealed)

Sec. 107. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-108 Underfloor plenum; single dwelling (Repealed)

Sec. 108. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-109 Ventilation systems (Repealed)

Sec. 109. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-110 Condensate disposal (Repealed)

Sec. 110. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-111 Identification (Repealed)

Sec. 111. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-112 Containers above ground (Repealed)

Sec. 112. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-113 Containers below ground (Repealed)

Sec. 113. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-114 Pipe size (Repealed)

Sec. 114. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-115 Shutoff valves (Repealed)

Sec. 115. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-116 Appliance connectors (Repealed)

Sec. 116. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-117 Oil fuel supply (Repealed)

Sec. 117. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-118 Application (Repealed)

Sec. 118. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-119 Studs in nonbearing partitions (Repealed)

Sec. 119. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-120 Definitions (Repealed)

Sec. 120. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-120.5 Building sewers (Repealed)

Sec. 120.5. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-121 Underground (Repealed)

Sec. 121. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-122 Number of fixtures per trap (Repealed)

Sec. 122. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-123 Vertical leg for waste fixture drains (Repealed)

Sec. 123. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-124 Dry vent sizing (Repealed)

Sec. 124. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-125 Typical single bath wet-vent arrangements; Figure No. P-2207.7.2 (Repealed)

Sec. 125. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-126 Typical double-bath wet-vent arrangements; Figure No. P-2207.7.3 (Repealed)

Sec. 126. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-127 Wastestack serving as wet-vent for laundry group; Figure No. P-2207.7.5 (Repealed)

Sec. 127. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-128 Typical methods of connecting fixture drains to stack-vented systems; Figure No. P-2207.8.2 (Repealed)

Sec. 128. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-129 Typical single-stack system for a two-story dwelling; Figure No. P-2207.8.3 (Repealed)

Sec. 129. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-130 Typical uniformly sized horizontal branch system; Figure No. P-2207.9-A (Repealed)

Sec. 130. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-131 Typical horizontal branch system reducing in size utilizing wet venting; Figure No. P-2207.9-B (Repealed)

Sec. 131. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-132 Access to connections (Repealed)

Sec. 132. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-133 Seals (Repealed)

Sec. 133. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-134 Length of trap arm (Repealed)

Sec. 134. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-135 Showers (Repealed)

Sec. 135. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-136 General (Repealed)

Sec. 136. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-137 Water-supply riser (Repealed)

Sec. 137. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-138 Shower heads (Repealed)

Sec. 138. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-139 Clothes washer (Repealed)

Sec. 139. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-140 Materials (Repealed)

Sec. 140. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-141 Soldered joints (Repealed)

Sec. 141. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-142 General (Repealed)

Sec. 142. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-143 Minimum sizes of fixture branches (Repealed)

Sec. 143. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-144 Chapter 25; sewers and private or individual sewage disposal systems (Repealed)

Sec. 144. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-145 General (Repealed)

Sec. 145. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-146 Building sewer materials (Repealed)

Sec. 146. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-147 Markings (Repealed)

Sec. 147. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-148 Size (Repealed)

Sec. 148. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-149 Grade, support (Repealed)

Sec. 149. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-150 Cleanouts (Repealed)

Sec. 150. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-151 Sewer, water pipes (Repealed)

Sec. 151. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-152 Drawing; specifications (Repealed)

Sec. 152. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-153 Location (Repealed)

Sec. 153. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-154 Abandoned sewers; sewage disposal facilities (Repealed)

Sec. 154. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-155 Electrical; energy conservation (Repealed)

Sec. 155. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-156 Abbreviations (Repealed)

Sec. 156. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-157 Flame-retardant treated wood (Repealed)

Sec. 157. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-158 Foundations (Repealed)

Sec. 158. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-159 Slabs (Repealed)

Sec. 159. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-160 Wall construction (Repealed)

Sec. 160. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-161 Wall covering (Repealed)

Sec. 161. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-162 Roof covering (Repealed)

Sec. 162. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-163 Mechanical materials (Repealed)

Sec. 163. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-164 Mechanical equipment (Repealed)

Sec. 164. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-165 Plumbing; general (Repealed)

Sec. 165. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-166 Sewer pipe (Repealed)

Sec. 166. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-167 Water piping (Repealed)

Sec. 167. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-168 Appendix A (Repealed)

Sec. 168. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-169 Appendix B (Repealed)

Sec. 169. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-170 Appendix C (Repealed)

Sec. 170. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-171 Structural independence (Repealed)

Sec. 171. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-172 Exterior walls (Repealed)

Sec. 172. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

675 IAC 14-2.1-173 Openings (Repealed)

Sec. 173. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)*

Rule 3. Permanent Installation of Manufactured Homes (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 27, 1990, 3:20 p.m.: 14 IR 134, eff Nov 1, 1990)

Rule 4. Indiana One and Two Family Dwelling Code, 1990 Edition (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Oct 30, 1997, 12:45 p.m.: 21 IR 1003)

Rule 4.1. Indiana One and Two Family Dwelling Code, 1997 Edition (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed May 23, 2001, 4:02 p.m.: 24 IR 3066)

Rule 4.2. The Indiana Residential Code

675 IAC 14-4.2-1 Adoption by reference; title; availability; purpose

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 1. (a) That certain document being titled the International Residential Code for One and Two Family Dwellings published by the International Code Council, 5203 Leesburg Pike, Suite 708, Falls Church, Virginia 22041-3401, is hereby adopted by reference as if fully set out in this rule save and except those revisions made in this rule.

(b) This rule shall be known as the Indiana Residential Code, 2001 edition and shall be published, except incorporated documents, by the fire and building services department, for general distribution and use under that title. Wherever the term "this code" is used throughout this rule, it shall mean the Indiana Residential Code, 2001 edition.

(c) This rule is available from the Fire and Building Services Department, Indiana Government Center-South, 402 West Washington Street, Room E221, Indianapolis, Indiana 46204.

(d) The purpose of this code is to provide minimum requirements for safety and to safeguard property and public welfare by regulating and controlling the design, construction, installation, and quality of materials of residential structures as regulated by this code. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-1; filed May 23, 2001, 4:02 p.m.: 24 IR 3032*)

675 IAC 14-4.2-2 Chapter 1; administration

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 4-21.5; IC 22-12-1-16; IC 22-12-1-17; IC 22-12-7; IC 22-13-2-7; IC 22-13-5; IC 22-14; IC 22-15; IC 36-7

Sec. 2. Delete Chapter 1 and substitute as follows: (a) SECTION R101 Application is added to read as follows:

SECTION R101 APPLICATION

The provisions of this code apply to the construction, prefabrication, alteration, addition, and remodel of detached one (1) or two (2) family dwellings and one (1) family townhouses not more than three (3) stories in height, and their accessory structures.

This code does not apply to manufactured homes as defined in SECTION R202, SECTION AE201, and IC 22-12-1-16, except as addressed in APPENDIX E.

This code does not apply to mobile structures as defined in IC 22-12-1-17.

Townhouses are classified as Class 1 structures and detached one (1) and two (2) family dwellings and their accessory structures are classified as Class 2 structures.

Provisions in the appendices are not enforceable unless specifically adopted.

The codes and standards referenced in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference. Where differences occur between provisions of this code and referenced codes and standards, the provisions of this code shall apply.

EXCEPTION: Where enforcement of a code provision would violate the conditions of the listing of the equipment or appliance, the conditions of the listing and manufacturer's instructions shall apply.

(b) SECTION R102 is added to read as follows:

SECTION R102 APPEALS AND INTERPRETATIONS

Appeals from orders issued by the Fire Prevention and Building Safety Commission or the state building commissioner are governed by IC 4-21.5 and IC 22-12-7. Appeals from orders by a local unit of government are governed by IC 22-13-2-7 and local ordinance. Upon the written request of an interested person, the office of the state building commissioner may issue a written interpretation of a building law. The written interpretation as issued under IC 22-13-5 binds the interested person and the county or municipality with whom the interested person has the dispute until overruled under IC 4-21.5.

(c) SECTION R103 is added to read as follows:

SECTION R103 PLANS

Plans shall be submitted for Class 1 structures as required by the General Administrative Rules (675 IAC 12-6), and for Class 2 structures as required by local ordinance.

(d) SECTION R104 is added to read as follows:

SECTION R104 EXISTING CONSTRUCTION

For existing construction see the General Administrative Rules (675 IAC 12-4) and local ordinance.

(e) SECTION R105 is added to read as follows:

SECTION R105 ADDITIONS AND ALTERATIONS

Additions and alterations to any structure shall conform to that required for a new structure without requiring the existing structure to comply with all the requirements of this code. Additions or alterations shall not cause an existing structure to become unsafe.

(f) SECTION R106 is added to read as follows:

SECTION R106 ALTERNATIVE MATERIALS, METHODS, AND EQUIPMENT

SECTION R106.1 ALTERNATE MATERIALS, METHODS, AND EQUIPMENT

The provisions of this code are not intended to limit the appropriate use of materials, appliances, equipment, or methods of design or construction not specifically prescribed by this code, provided the building official determines that the proposed alternate materials, appliances, equipment, or methods of design or construction are at least equivalent of that prescribed in this code in suitability, quality, strength, effectiveness, fire resistance, durability, dimensional stability, safety, and sanitation. For Class 1 structures, alternate materials, methods, equipment, and design shall be as required by the General Administrative Rules (675 IAC 12-6-11). Compliance with specific provisions of the Indiana Building Code (675 IAC 13) or the Indiana Plumbing Code (675 IAC 16) in lieu of the requirements of this code shall be permitted as an alternate.

SECTION R106.2 EVIDENCE

The building official may require that evidence or proof be submitted to substantiate any claims that may be made regarding the proposed alternate.

SECTION R106.3 TESTS

Determination of equivalence shall be based on design or test methods or other such standards. The building official may accept as supporting data to assist in this determination duly authenticated reports from the Building Officials and Code Administrators International, Inc., Southern Building Code Congress International, Inc., International Conference of Building Officials, the International Code Council, Inc., or their successors, or acceptance documents from the U. S. Department of Housing and Urban Development or the General Administrative Rules (675 IAC 12).

(g) SECTION R107 is added to read as follows:

SECTION R107 WORKMANSHIP

General Workmanship. All construction methods shall be accepted practices to ensure livable and safe housing and shall demonstrate acceptable workmanship. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-2; filed May 23, 2001, 4:02 p.m.: 24 IR 3033*)

675 IAC 14-4.2-3 Section R202; definitions

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 3. Change SECTION R202 Definitions as follows: (a) Change in the definition of ACCESSORY STRUCTURE to read as follows: In one and two family dwellings and for the purpose of APPENDIX E, structures not more than three (3) stories high with separate means of egress, and the use of which is incidental to that of the main building and which is located on the same lot.

(b) Change the definition of ALTERATION by deleting "other than repair".

(c) Change APPROVED to read as follows: APPROVED means, as to materials, equipment, and types of construction, acceptance by the building official by one (1) of the following methods:

(1) investigation or tests conducted by recognized authorities; or

(2) investigation or tests conducted by technical or scientific organizations; or accepted principles.

The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

(d) Change the definition of BUILDING, EXISTING to read as follows: BUILDING, EXISTING. Existing building is a building or structure erected prior to the adoption of this code.

(e) Change the definition of BUILDING OFFICIAL to read as follows: BUILDING OFFICIAL as used in this code shall be the local official or officials as designated in local ordinance, except it shall be the state building commissioner for Industrialized Building Systems under 675 IAC 15 and IC 22-15 and for plan review for townhouses under 675 IAC 12 and IC 22-15.

(f) Delete the definition of CONSTRUCTION DOCUMENTS and substitute to read as follows: CONSTRUCTION DOCUMENTS. For construction documents see the General Administrative Rules (675 IAC 12) for Class 1 structures, and local ordinance for Class 2 structures.

(g) Delete EMERGENCY ESCAPE AND RESCUE OPENING and substitute to read as follows: EMERGENCY ESCAPE OPENING. An operable window, door, or similar device that provides for a means of escape in the event of an emergency.

(h) Delete from the definition of ESSENTIALLY NONTOXIC TRANSFER FLUIDS the following: “; and FDA-approved boiler water additions for steam boilers”.

(i) Change the definition of EXISTING INSTALLATIONS to read as follows: Any system regulated by this code that was legally installed prior to the effective date of this code.

(j) Add after the definition of FACTORY-BUILT CHIMNEY the definition of FAMILY to read as follows: FAMILY means an individual or two (2) or more persons related by blood or marriage and/or a group of not more than ten (10) persons (excluding servants) who need not be related by blood or marriage living together in a dwelling unit.

(k) Add in the definition of FOAM PLASTIC INSULATION “of” between the words “consisting” and “open”.

(l) Delete in the definition of HEATING DEGREE DAY (HDD) “acceptable to the code” and substitute “approved by the building”.

(m) Add the following definitions after INSULATING SHEATHING:

INTERNATIONAL BUILDING CODE means the Indiana Building Code (675 IAC 13).

ICC ELECTRICAL CODE means the Indiana Electrical Code (675 IAC 17).

INTERNATIONAL FIRE CODE means the Indiana Fire Code (675 IAC 22).

INTERNATIONAL FUEL GAS CODE means the Indiana Mechanical Code (675 IAC 18).

INTERNATIONAL MECHANICAL CODE means the Indiana Mechanical Code (675 IAC 18).

INTERNATIONAL PLUMBING CODE means the Indiana Plumbing Code (675 IAC 16).

(n) Delete the definition of LABELED and substitute to read as follows: LABELED. Equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection or production of labeled equipment or materials and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

(o) Delete the definition of LISTED AND LISTING and substitute to read as follows: LISTED AND LISTING. Equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(p) Add the definition of NATIONAL ELECTRICAL CODE after MULTIPLE STATION SMOKE ALARM to read as follows: NATIONAL ELECTRICAL CODE means the Indiana Electrical Code (675 IAC 17).

(q) Add the definition of NFPA 70 after NATURAL DRAFT SYSTEM to read as follows: NFPA 70 means the Indiana Electrical Code (675 IAC 17).

(r) Delete the definition of PERMIT.

(s) Delete in the definition of PLUMBING “, repairs, maintenance”.

(t) Delete in the definition of PLUMBING APPURTENANCE “, maintenance, servicing, economy”.

(u) Delete the definition of POTABLE WATER and substitute to read as follows: POTABLE WATER. Water that at the point of use is acceptable for human consumption under drinking water standards adopted by the Water Pollution Control Board at 327 IAC 8.

(v) Delete the definition of REGISTERED DESIGN PROFESSIONAL.

(w) Add the definition of RECESSED LIGHT after RECEPTOR to read as follows: RECESSED LIGHT means a light fixture that by design penetrates the thermal boundary of the building.

(x) Delete the definition of ROOF REPAIR.

(y) Add the definition of SLAB-ON-GRADE FLOOR INSULATION after SKYLIGHT AND SLOPED GLAZING to read as follows: SLAB-ON-GRADE FLOOR INSULATION means insulation around the perimeter of the floor slab or its supporting foundation.

(z) Add to the definition of TOWNHOUSE, between “units” and “in”, “separated by property lines”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-3; filed May 23, 2001, 4:02 p.m.: 24 IR 3034*)

675 IAC 14-4.2-4 Section R301.2; climatic and geographic design criteria

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 4. Delete the last sentence of SECTION R301.2. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-4; filed May 23, 2001, 4:02 p.m.: 24 IR 3035*)

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675 IAC 14-4.2-5 Sections R301.2.1.1 and R301.2.1.2; design criteria, internal pressure

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 5. Delete SECTIONS R301.2.1.1 and R301.2.1.2. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-5; filed May 23, 2001, 4:02 p.m.: 24 IR 3035*)

675 IAC 14-4.2-6 Table R301.2(1); climatic and geographical design criteria

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 6. Delete TABLE R301.2(1) and corresponding footnotes and substitute to read as follows:

TABLE R301.2(1)

No.	County	Wind Speed ¹ (MPH)	Seismic ² Zone	Snow (PSF)	Foundation ³	Winter Design Temp	Decay	Termite	Weathering ⁴
01	Adams	90	B	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe
02	Allen	90	B	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe
03	Bartholomew	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
04	Benton	90	B	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe
05	Blackford	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
06	Boone	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
07	Brown	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
08	Carroll	90	B	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe
09	Cass	90	A	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe
10	Clark	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
11	Clay	90	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
12	Clinton	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
13	Crawford	90	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
14	Daviess	90	C ₁	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
15	Dearborn	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
16	Decatur	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe

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17	Dekalb	90	B	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
18	Delaware	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
19	Dubois	90	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
20	Elkhart	90	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
21	Fayette	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
22	Floyd	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
23	Fountain	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
24	Franklin	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
25	Fulton	90	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
26	Gibson	90	C ₁	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
27	Grant	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
28	Greene	90	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
29	Hamilton	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
30	Hancock	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
31	Harrison	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
32	Hendricks	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
33	Henry	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
34	Howard	90	A	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
35	Huntington	90	B	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe
36	Jackson	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
37	Jasper	90	B	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
38	Jay	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
39	Jefferson	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
40	Jennings	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe

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41	Johnson	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
42	Knox	90	C ₁	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
43	Kosciusko	90	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
44	LaGrange	90	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
45	Lake	90	B	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
46	LaPorte	90	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
47	Lawrence	90	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
48	Madison	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
49	Marion	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
50	Marshall	90	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
51	Martin	90	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
52	Miami	90	A	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe
53	Monroe	90	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
54	Montgomery	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
55	Morgan	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
56	Newton	90	B	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
57	Noble	90	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
58	Ohio	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
59	Orange	90	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
60	Owen	90	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
61	Parke	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
62	Perry	90	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
63	Pike	90	C ₁	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
64	Porter	90	B	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe

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65	Posey	90	C ₁	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
66	Pulaski	90	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
67	Putnam	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
68	Randolph	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
69	Ripley	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
70	Rush	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
71	St. Joseph	90	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
72	Scott	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
73	Shelby	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
74	Spencer	90	C ₁	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
75	Starke	90	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
76	Steuben	90	A	30	36	1°	Slight to Moderate	Moderate to Heavy	Severe
77	Sullivan	90	C ₁	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
78	Switzerland	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
79	Tippecanoe	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
80	Tipton	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
81	Union	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
82	Vanderburgh	90	C ₁	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
83	Vermillion	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
84	Vigo	90	C	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
85	Wabash	90	A	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe
86	Warren	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
87	Warrick	90	C ₁	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe
88	Washington	90	B	20	24	9°	Slight to Moderate	Moderate to Heavy	Severe

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89	Wayne	90	B	20	30	2°	Slight to Moderate	Moderate to Heavy	Severe
90	Wells	90	B	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe
91	White	90	B	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe
92	Whitley	90	A	20	36	1°	Slight to Moderate	Moderate to Heavy	Severe

¹ Wind exposure category shall be determined on a site-specific basis in accordance with SECTION R301.2.1.4.

² See SECTION R301.2.2.

³ Foundation is minimum foundation depth to bottom of footing from the top of the finished grade above the footing in inches.

⁴ The grade of masonry units shall be determined from ASTM C34, C55, C62, C73, C90, C129, C216 or C652.

(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-6; filed May 23, 2001, 4:02 p.m.: 24 IR 3035)

675 IAC 14-4.2-7 Figures R301.2(1), R301.2(2), R301.2(3), R301.2(4), R301.2(5), R301.2(6), and R301.2(7)

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 7. Delete Figures R301.2(1), R301.2(2), R301.2(3), R301.2(4), R301.2(5), R301.2(6), and R301.2(7). *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-7; filed May 23, 2001, 4:02 p.m.: 24 IR 3037)*

675 IAC 14-4.2-8 Table R301.2.1.2

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 8. Delete Table R301.2.1.2 and the corresponding footnotes. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-8; filed May 23, 2001, 4:02 p.m.: 24 IR 3037)*

675 IAC 14-4.2-9 Section R301.2.2; seismic provisions

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 9. Change SECTION R301.2.2 to read as follows: The seismic provisions of this code shall apply to buildings constructed in Seismic Design Categories C and C₁ as determined in accordance with this section.

EXCEPTION: Detached one and two family dwellings located in Seismic Design Category C and C₁ are exempt from the seismic requirements of this code except such dwellings in Category C₁ shall comply with the provisions of SECTIONS R301.2.2.5 and R606.11.2 and FIGURE 606.10(2). Townhouses in Category C and C₁ are not exempt from the seismic provisions that apply to Categories C and C₁.

The weight limitations of SECTION R301.2.2.2 shall apply to buildings in all Seismic Design Categories regulated by this code. Buildings in Seismic Design Category C, townhouses, shall be constructed in accordance with the additional requirements of SECTIONS R301.2.2.3 and R301.2.2.4. Buildings in Category C₁ are exempt from the provisions of SECTIONS R301.2.2.3, R301.2.2.4, and R301.2.2.7 but shall comply with the provisions of SECTION R301.2.2.5. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-9; filed May 23, 2001, 4:02 p.m.: 24 IR 3038)*

675 IAC 14-4.2-10 Section R301.2.2.1; determination of seismic design category

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 10. Delete SECTION R301.2.2.1. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-10; filed May 23, 2001, 4:02 p.m.: 24 IR 3038)*

675 IAC 14-4.2-11 Section R301.2.2.1.1; alternate determination of seismic design category

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 11. Change SECTION R301.2.2.1.1 as follows: (a) Change the first sentence to read as follows: The Seismic Design Categories and corresponding Short Period Design Spectral Response Accelerations, S_{DS} are based on soil Site Class D, as defined in the Indiana Building Code, 675 IAC 13.

(b) Change the second sentence to read as follows: If soil conditions are other than Site Class D, the Short Period Design Spectral Response Acceleration, S_{DS} , for a site can be determined according to the Indiana Building Code, 675 IAC 13.

(c) Change the third sentence to read as follows: The value of S_{DS} determined according to the Indiana Building Code, 675 IAC 13, is permitted to be used to set the Seismic Design Category according to TABLE R301.2.2.1.1, and to interpolate between values in TABLES R602.10.3 and R603.7 and other seismic design requirements of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-11; filed May 23, 2001, 4:02 p.m.: 24 IR 3038*)

675 IAC 14-4.2-12 Section R301.2.2.1.2; alternative determination of seismic design category E

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 12. Delete SECTION R301.2.2.1.2. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-12; filed May 23, 2001, 4:02 p.m.: 24 IR 3038*)

675 IAC 14-4.2-13 Section R301.2.2.2; determination of seismic design category

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 13. Delete the first sentence of SECTION R301.2.2.2. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-13; filed May 23, 2001, 4:02 p.m.: 24 IR 3038*)

675 IAC 14-4.2-14 Section R301.2.2.9; irregular buildings in seismic design categories D_1 and D_2

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 14. Delete SECTION R301.2.2.9. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-14; filed May 23, 2001, 4:02 p.m.: 24 IR 3038*)

675 IAC 14-4.2-15 Section R301.2.4; floodplain construction

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 15. Delete SECTION R301.2.4 and substitute to read as follows: See local ordinance for flood plain construction. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-15; filed May 23, 2001, 4:02 p.m.: 24 IR 3038*)

675 IAC 14-4.2-16 TABLE R301.4; minimum uniformly distributed live loads

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 16. Delete Table R301.4 and corresponding footnotes and substitute to read as follows:

TABLE R301.4

MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS

FIRE PREVENTION AND BUILDING SAFETY COMMISSION

USE	LIVE LOAD (pounds per square foot)
Attics–nonaccessible ¹	0
Attics–accessible ²	10
Attics–uninhabitable ³	20
Attics–inhabitable ⁴	30 ⁵
Balconies–exterior	60
Decks	40
Rooms other than sleeping rooms	40
Fire escapes	40
Garages ^{6, 8}	50
Guards and handrails ⁹	200
Sleeping rooms	30
Stairs	40/300 ⁷

¹Attics where attic access is not required by SECTION R807.

²Attics where attic access is provided as required by SECTION R807 and a disappearing stairway or a permanent stairway is not provided.

³Attic spaces having a minimum clear height greater than six (6) feet and are not capable of containing the prism described in footnote 4, and are served by a disappearing or a permanent stairway.

⁴Attic spaces that are capable of containing a rectangular prism seven (7) feet high by six (6) feet wide by eight (8) feet long free of any structural member.

⁵For trusses, the thirty (30) pounds per square foot live load shall be applied over the entire length of the truss panel that contains the prism required by footnote 4.

⁶Passenger cars only.

⁷Individual stair treads shall be designed for the uniformly distributed live load of forty (40) pounds per square foot or a three hundred (300) pound concentrated load acting over an area of four (4) square inches, whichever produces the greater stress.

⁸Elevated garage floors shall be capable of supporting a two thousand (2,000) pound load applied over a twenty (20) square inch area.

⁹A single concentrated load applied in any direction at any point along the top.

(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-16; filed May 23, 2001, 4:02 p.m.: 24 IR 3038)

675 IAC 14-4.2-17 Section R302.1; exterior walls

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 17. Change SECTION R302.1 as follows: (a) Change the exception to read as follows:

EXCEPTIONS: 1. Tool and storage sheds, playhouses and similar structures are not required to provide wall protection based on location on the lot. Projections beyond the exterior shall not extend over the lot line.

(b) Add EXCEPTION 2 to read as follows: 2. Where structures are placed closer than three (3) feet to the property lines, the one-hour fire-resistive rating shall not apply if a perpetual, platted, and recorded easement creates a nonbuildable separation of at least six (6) feet between structures and adjacent properties. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-17; filed May 23, 2001, 4:02 p.m.: 24 IR 3039)*

675 IAC 14-4.2-18 Section R302.2; openings

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 18. Add EXCEPTION 3 to the end of SECTION R302.2 to read as follows: 3. Where structures are placed closer than

three (3) feet to the property line, the limitation on openings in exterior walls shall not apply if a perpetual, platted, and recorded easement creates a nonbuildable separation of at least six (6) feet between structures on adjacent properties. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-18; filed May 23, 2001, 4:02 p.m.: 24 IR 3039*)

675 IAC 14-4.2-19 Section R303.1; habitable rooms

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 19. Delete the third sentence of SECTION R303.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-19; filed May 23, 2001, 4:02 p.m.: 24 IR 3039*)

675 IAC 14-4.2-20 Section R305.1; minimum height

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 20. Add EXCEPTION 4 to SECTION R305.1 to read as follows: 4. Bathrooms shall have a minimum ceiling height of six (6) feet eight (8) inches at the front clearance area for the fixtures as shown in FIGURE R307.2. Ceiling height above fixtures shall be such that the fixture may be used for its intended purpose. A shower or bath tub equipped with a shower head shall have a minimum ceiling height of six (6) feet eight (8) inches. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-20; filed May 23, 2001, 4:02 p.m.: 24 IR 3039*)

675 IAC 14-4.2-20.5 Section R308.4; hazardous locations

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 20.5. Delete Exception number 9 to SECTION R308.4. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-20.5; filed May 23, 2001, 4:02 p.m.: 24 IR 3039*)

675 IAC 14-4.2-21 Section R309; garages and carports

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 21. Change the title and text of SECTION R309 as follows: (a) Change the title of SECTION R309 to read as follows: GARAGES, CARPORTS, OR ACCESSORY STRUCTURES.

(b) Change the second paragraph of SECTIONS R309.3 and R309.4 to read as follows: The area of floor used for parking of automobiles or other vehicles shall be sloped to facilitate the movement of liquids to an approved drain or toward the main vehicle entry doorway.

(c) Delete the title and text of SECTION R309.5, Flood hazard areas, and substitute to read as follows:
R309.5 Detached garages, carports, or accessory structures. R309.5.1 Separation. Detached garages, carports, or accessory structures shall provide not less than six (6) feet of open space between same and the residence, except that such space may be roofed in compliance with chapters 8 and 9 of this code. Detached garages, carports, or accessory structures separated from the residence by less than six (6) feet of open space shall be considered the same as attached and shall comply with this code. In no case shall garages, carports, or accessory structures be attached to the dwelling when the footings of the structure to be attached are above the frost line and the adjacent footings of the dwelling are at or below the frost line unless approved by the building official.
R309.5.2 Requirements. Detached garages, detached carports, or accessory structures shall be constructed to applicable sections of this code unless otherwise noted in Table R309. Any habitable rooms(s) located within a detached garage, detached carport, or accessory structure shall meet all applicable sections of this code and shall be provided with an exit door as specified in SECTION R311.1.

(d) Add TABLE R309 at the end of SECTION R309 to read as follows:

TABLE R309

DETACHED GARAGES, DETACHED CARPORTS, OR ACCESSORY STRUCTURES

FIRE PREVENTION AND BUILDING SAFETY COMMISSION

CONSTRUCTION REQUIREMENTS	Portable 120 Square Feet Maximum	Monolithic ¹ Footings 721 Square Feet Maximum	Structures with Conventional Foundation	
Footings and Foundations	No Requirements	8" W × 18" D ² 12" W × 12" D	Indiana One and Two Family Dwelling Code	
Floors	No Requirements	Indiana One and Two Family Dwelling Code		
Exterior Walls	No Requirements			
Girders and Headers	No Requirements			
Roof Systems	No Requirements			
Electrical Power Limits	One 15 Amp. Circuit			
Water Supply/Sanitation	Not Allowed			1
Permanent Heat	Not Allowed			1
Maximum Number of Stories	1			1 ³

NOTES:

¹In structures utilizing monolithic floor systems, the water and sanitation systems and permanent heating facilities may be installed when approved flexible connections are provided.

²6 × 6 - W2.9 × W2.9 welded wire fabric or equivalent is required when monolithic slab footing system is used.

³One (1) story unless otherwise approved by the building official.

(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-21; filed May 23, 2001, 4:02 p.m.: 24 IR 3040)

675 IAC 14-4.2-22 Section R310; emergency escape and rescue openings

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 22. (a) Change SECTION R310 as follows: (a) Change the title to read as follows: EMERGENCY ESCAPE OPENINGS.

(b) Change the title and text of SECTION R310.1 to read as follows: R310.1. Emergency escape required. Every sleeping room shall have at least one (1) openable emergency escape window or exterior door opening for emergency escape. Where openings are provided as a means of escape, they shall have a sill height of not more than forty-four (44) inches (one thousand one hundred eighteen (1,118) millimeters) above the floor. Where a door opening having a threshold below the adjacent ground elevation serves as an emergency escape opening and is provided with a bulkhead enclosure, the bulkhead enclosure shall comply with SECTION R310.3. The net clear opening dimensions required by this section shall be obtained by the normal operation of the window or door opening from the inside. Escape window openings with a finished sill height below the adjacent ground elevation shall be provided with a window well in accordance with SECTION R310.2.

(c) Change SECTION R310.1.1 to read as follows: R310.1.1 Minimum opening area. All emergency escape openings shall have a minimum net clear opening of five and seven-tenths (5.7) square feet (five hundred thirty-thousandths (0.530) m²).

EXCEPTION: Grade floor openings shall have a minimum net clear opening of five (5) square feet (four hundred sixty-five thousandths (0.465) m²).

(d) Change SECTION R310.1.2 as follows: Minimum opening height, the minimum net clear opening [*sic., opening*] height shall be 22 inches (610 mm).

(e) Change SECTION R310.1.4 to read as follows: R310.1.4 Operational constraints. Emergency escape openings shall be operational from the inside of the room without the use of key(s) or tool(s).

(f) Change the first sentence of SECTION R310.2 to read as follows: R310.2 Window wells. Window wells required for emergency escape shall have horizontal dimensions that allow the door or window of the emergency escape opening to be fully opened.

(g) Delete in SECTION R310.2.1 "below the adjacent ground level".

(h) Delete in two (2) places in SECTION R310.4 "and rescue".

(i) Add SECTION R310.5 to read as follows: R310.5 Sleeping room replacement window alterations. When replacing existing sleeping room windows, at least one (1) of the replacement windows shall comply with SECTION R310.5. Replacement windows that do not meet the current emergency escape requirements of SECTION R310, without structural alterations to the dwelling, may be installed as long as they meet the following requirements.

1. Replacement window installation shall not reduce the existing net clear opening by more than six (6) inches horizontally and six (6) inches vertically, except that awning replacement windows shall not reduce the existing net clear opening by more than three (3) inches vertically.
2. In no case shall the replacement window net clear opening height be less than twenty-two (22) inches (five hundred fifty-nine (559) millimeters) and the net clear opening width be less than twenty (20) inches (five hundred eight (508) millimeters).
3. Double hung or sliding replacement windows shall have both sashes removable without the use of a key or tool. Single hung installations are not allowed by this section.
4. Casement and awning replacement windows may obtain the required net clear opening with the use of egress hardware.
5. If the replacement window cannot meet the minimum requirements listed in subdivisions 1, 2, 3, and 4, the existing window shall be replaced with a like window without reducing the existing net clear opening.

(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-22; filed May 23, 2001, 4:02 p.m.: 24 IR 3040)

675 IAC 14-4.2-23 Section R311.2; type of lock or latch

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 23. Delete “egress” between “all” and “doors” and delete “or special knowledge or effort” from SECTION R311.2. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-23; filed May 23, 2001, 4:02 p.m.: 24 IR 3041)*

675 IAC 14-4.2-24 Section R311.5; exit facilities

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 24. Delete SECTION R311.5. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-24; filed May 23, 2001, 4:02 p.m.: 24 IR 3041)*

675 IAC 14-4.2-25 Section R312.1, Section R312.1.1 and Section R312.1.2; general, landings for stairways and landings for doors

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 25. Delete the text and SECTION numbers of SECTIONS R312.1, R312.1.1, and R312.1.2 and substitute to read as follows: (a) Add SECTION R312.1 to read as follows: R312.1 Landings. There shall be a floor or landing at the top and bottom of each stairway.

EXCEPTION: At the top of an interior flight of stairs, provided the door does not swing over the stairs.

(b) Add SECTION R312.1.1 to read as follows: R312.1.1 Required exit. There shall be a floor or landing on each side of the required exit door and the landing shall comply with SECTION R312.2.

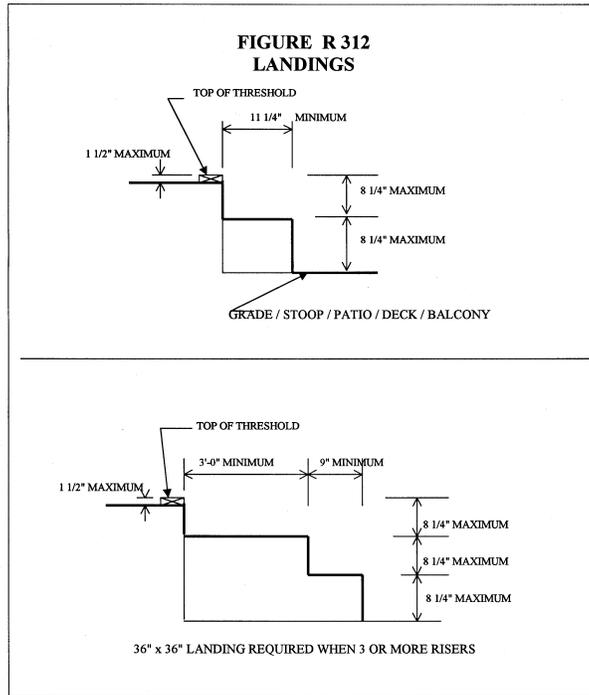
(c) Add SECTION R312.1.2 to read as follows: R312.1.2 Other exterior doors (nonrequired exits). Exterior doors, other than the required exit that requires three (3) or more risers, shall be provided with landings and steps as required by FIGURE R312, or guards, or ramps.

Exterior doors, other than the required exit that require two (2) or fewer risers, shall be provided with an intermediate tread with a width of not less than eleven and one-fourth (11¼) inches (two hundred eighty-six (286) millimeters) as required by FIGURE R312 or be provided with a landing as stated in SECTION R312.2.

(d) Add SECTION R312.1.3 to read as follows: R312.1.3 Landings at doors. The floor or landing at a door shall not be more than one and one-half (1.5) inches (thirty-eight (38) millimeters) lower than the top of the threshold.

EXCEPTION: The landing at an exterior doorway shall not be more than eight and one-fourth (8¼) inches (one hundred ninety-seven (197) millimeters) below the top of the threshold, provided that the door, other than an exterior storm or screen door does not swing over the landing.

(e) Add FIGURE R312 at the end of SECTION R312.1.



(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-25; filed May 23, 2001, 4:02 p.m.: 24 IR 3041)

675 IAC 14-4.2-26 Section R314.2; treads and risers

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 26. Change in the first sentence of SECTION R314.2 “7 ¾ inches (196 mm)” to “8¼ inches” and “10 inches (254 mm)” to “9 inches”. (Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-26; filed May 23, 2001, 4:02 p.m.: 24 IR 3042)

675 IAC 14-4.2-27 Section R314.9; bulkhead enclosure stairways

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 27. Change in SECTION R314.9 “egress” to “exit”. (Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-27; filed May 23, 2001, 4:02 p.m.: 24 IR 3042)

675 IAC 14-4.2-27.5 Section R315.1; handrails

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 27.5. Amend SECTION R315.1 to read as follows: R315.1 Handrails. Handrails having minimum and maximum heights of 34 inches and 38 inches (864 mm and 965 mm), respectively, measured vertically from the nosing of the treads, shall be provided on at least one side of stairways. All required handrails shall serve each tread the full length of the interior stairs with three or more risers and exterior stairs with two or more risers from a point directly above the top riser of a flight to a point directly above the lowest riser of the flight. Ends shall be returned or shall terminate in newel posts or safety terminals. Handrails adjacent to a wall shall have a space of not less than 1.5 inches (33 mm) between the wall and handrail.

EXCEPTIONS: 1. Handrails shall be permitted to be interrupted by a newel post at a turn.

2. The use of a volute, turnout, or starting easing shall be allowed over the lowest tread.

(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-27.5; filed May 23, 2001, 4:02 p.m.: 24 IR 3042)

675 IAC 14-4.2-28 Section R315.2; handrail grip size

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 28. Change in the first sentence of SECTION R315.2 “2⁵/₈ inches (67 mm)” to “2⁷/₈ inches”. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-28; filed May 23, 2001, 4:02 p.m.: 24 IR 3042)*

675 IAC 14-4.2-29 Section R316.1; guards required

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 29. Add in the first sentence of SECTION R316.1 “, decks” between “balconies” and “or”. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-29; filed May 23, 2001, 4:02 p.m.: 24 IR 3042)*

675 IAC 14-4.2-30 Section R316.2; guard opening limitations

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 30. Add in the first sentence of SECTION R316.2 “, decks” between “balconies” and “and”. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-30; filed May 23, 2001, 4:02 p.m.: 24 IR 3042)*

675 IAC 14-4.2-31 Section R317.1.1; alterations, repairs, and additions

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-11-18

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 31. Change SECTION R317.1.1 as follows: (a) Delete “, repairs” in the title.

(b) Delete “, repairs” in the first paragraph.

(c) Delete “or repairs” in EXCEPTION 1.

(d) Change EXCEPTION 2 to read as follows: Repairs are exempt from the requirements of this section. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-31; filed May 23, 2001, 4:02 p.m.: 24 IR 3042)*

675 IAC 14-4.2-32 Section R318.2.3; attics and crawl spaces

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 32. Delete SECTION R318.2.3 and substitute to read as follows: Within an attic or crawl space, foam plastics shall be protected against ignition by one and one-half (1½) inch thick mineral fiber insulation, or one-fourth (¼) inch thick plywood, or three-eighths (¾) inch particleboard, or one-fourth (¼) inch hardboard, or three-eighths (¾) inch gypsum wallboard or corrosion-resistant steel having a base metal thickness of sixteen-thousandths (0.016) inch or other approved material installed in such a manner that the foam plastic is not exposed.

EXCEPTION: Foam plastic insulation may be installed on the walls of attics and crawl spaces with no covering applied provided all the following conditions are met:

1. The maximum thickness/density is within the following:
 - a. Maximum 4-inch thickness with a maximum density of 4.0 pcf.
 - b. Up to 2-inch thickness with a maximum density of 2.5 pcf.
 - c. Up to 1-inch thickness with a maximum density of 2.0 pcf.
2. The maximum flame spread is twenty-five (25).
3. The maximum smoke development rating is four hundred fifty (450).

4. The entry to the attic or crawl space is made only for service or maintenance (not used for storage).
5. There are not interconnected basement areas.
6. The air in the attic or crawl space is not circulated to other parts of the building.
7. Where fuel-burning appliances other than direct vent appliances or exposed (not sealed) motors are located more than ten (10) feet away from the foam insulation in the attic or crawl space.

(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-32; filed May 23, 2001, 4:02 p.m.: 24 IR 3043)

675 IAC 14-4.2-33 Section R322.1; moisture control

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 33. Delete EXCEPTION 3 in SECTION R322.1. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-33; filed May 23, 2001, 4:02 p.m.: 24 IR 3043)*

675 IAC 14-4.2-34 Section R323.1; location required

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 34. (a) Change SECTION 323.1, item 2 to read as follows: All sills or plates that rest on concrete or masonry exterior walls and are less than six (6) inches from exposed ground or masonry veneer ledge where the wood sill is less than four (4) inches above exposed ground.

(b) Add an exception to SECTION R323.1, item 7 to read as follows: 7. Wood furring strips or other wood framing members attached directly to the interior of exterior masonry walls or concrete walls below grade except where an approved vapor retarder is applied between the wall and the furring strips or framing members.

EXCEPTION: Exterior walls below grade complying with SECTION R406.

(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-34; filed May 23, 2001, 4:02 p.m.: 24 IR 3043)

675 IAC 14-4.2-35 Section R323.1.2; geographical areas

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 35. Change SECTION R323.1.2 to read as follows: Approved naturally durable or pressure preservatively treated wood shall be used for those portions of wood members that form the structural supports of buildings, balconies, decks, porches, or similar permanent building appurtenances when such members are exposed to the weather without adequate protection from a roof, eave, overhang, or other covering that would prevent moisture or water accumulation on the surface or at joints between members. Such members may include the following:

1. Horizontal members, such as girders, joists, and decking.
2. Vertical members, such as posts, poles, and columns.
3. Both horizontal and vertical members.

(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-35; filed May 23, 2001, 4:02 p.m.: 24 IR 3043)

675 IAC 14-4.2-36 Section R323.1.4; wood columns

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 36. Change SECTION 323.1.4, EXCEPTION to read as follows: EXCEPTION: Posts or columns separated or supported above the floor or finish grade by a minimum of one (1) inch of impervious moisture barrier material. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-36; filed May 23, 2001, 4:02 p.m.: 24 IR 3043)*

675 IAC 14-4.2-37 Section R323.2; quality mark

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 37. Change in SECTION R323.2 “approved by an accreditation body” to “accepted by an accreditation body”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-37; filed May 23, 2001, 4:02 p.m.: 24 IR 3043*)

675 IAC 14-4.2-38 Section R324.4; foam plastic protection

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 38. Delete SECTION R324.4. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-38; filed May 23, 2001, 4:02 p.m.: 24 IR 3044*)

675 IAC 14-4.2-39 Section R326; accessibility

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 39. Delete SECTION R326. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-39; filed May 23, 2001, 4:02 p.m.: 24 IR 3044*)

675 IAC 14-4.2-40 SECTION 327; flood-resistant construction

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 40. Delete SECTION 327 FLOOD-RESISTANT CONSTRUCTION and substitute to read as follows: See local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-40; filed May 23, 2001, 4:02 p.m.: 24 IR 3044*)

675 IAC 14-4.2-41 SECTION 401.1; application

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 41. Delete the exceptions in SECTION 401.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-41; filed May 23, 2001, 4:02 p.m.: 24 IR 3044*)

675 IAC 14-4.2-42 Section R401.3; drainage

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 42. Delete the first sentence of SECTION R401.3. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-42; filed May 23, 2001, 4:02 p.m.: 24 IR 3044*)

675 IAC 14-4.2-43 Section R402.1.2; wood treatment

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 43. Change in the first sentence of SECTION R402.1.2 “accredited agency” to “approved agency”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-43; filed May 23, 2001, 4:02 p.m.: 24 IR 3044*)

675 IAC 14-4.2-44 Section R403.1; general

Authority: IC 22-13-2-2; IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 44. Delete in the first sentence of SECTION R403.1 “continuous”. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-44; filed May 23, 2001, 4:02 p.m.: 24 IR 3044)*

675 IAC 14-4.2-45 TABLE R403.1; minimum width of concrete or masonry footings

Authority: IC 22-13-2-2; IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 45. Delete TABLE R403.1 and substitute to read as follows:

TABLE R403.1
 MINIMUM WIDTH OF CONCRETE OR
 MASONRY FOOTINGS (inches)¹

	LOAD-BEARING VALUE OF SOIL (psf)			
	1,500	2,000	3,000	≥4,000
Conventional Light-Frame Construction				
1-story	12	12	12	12
2-story	15	12	12	12
3-story	23	17	12	12
4-Inch Brick Veneer over Light-Frame Construction or 8-inch Hollow Concrete Masonry				
1-story	12	12	12	12
2-story	21	16	12	12
3-story	32	24	16	12
8-Inch Solid Concrete or Masonry, or Fully Grouted Masonry				
1-story	16	12	12	12
2-story	29	21	14	12
3-story	42	32	21	16

For SI: 1 inch = 25.4 mm, 1 psf = 0.0479 kN/m².

¹Where minimum footing width is 12 inches a single wythe of solid or fully grouted 12-inch nominal concrete masonry units is permitted to be used.

(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-45; filed May 23, 2001, 4:02 p.m.: 24 IR 3044)

675 IAC 14-4.2-45.5 Section R403.1.2; continuous footings in seismic design categories D₁ and D₂

Authority: IC 22-13-2-2; IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 45.5. Delete the title and text of SECTION R403.1.2 and substitute to read as follows: Footings in Seismic Design Category C₁. In Seismic Design Category C₁, as a minimum requirement, two (2) #4 bars shall be placed longitudinally in the bottom of the exterior footings. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-45.5; filed May 23, 2001, 4:02 p.m.: 24 IR 3044)*

675 IAC 14-4.2-45.6 Section R403.1.3; seismic reinforcing

Authority: IC 22-13-2-2; IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 45.6. Delete SECTION R403.1.3. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-45.6; filed May*

23, 2001, 4:02 p.m.: 24 IR 3044)

675 IAC 14-4.2-46 Section R403.1.3.1; foundations with stemwalls

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 46. Delete SECTION R403.1.3.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-46; filed May 23, 2001, 4:02 p.m.: 24 IR 3045*)

675 IAC 14-4.2-46.5 Section R403.1.3.2; slabs-on-ground with turned-down footings

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 46.5. Delete Section R403.1.3.2. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-46.5; filed May 23, 2001, 4:02 p.m.: 24 IR 3045*)

675 IAC 14-4.2-46.6 Section R403.1.4; minimum depth

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 46.6. Change SECTION R403.1.4 to read as follows: Delete the second paragraph of SECTION R403.1.4 and substitute to read as follows: In Seismic Design Category C₁, interior footings cast monolithically with a slab on grade shall extend to a depth of not less than 8 inches below the top of the slab or to the undisturbed ground or engineered fill whichever is greater. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-46.6; filed May 23, 2001, 4:02 p.m.: 24 IR 3045*)

675 IAC 14-4.2-47 Section R403.1.7.3; foundation elevation

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 47. Delete SECTION R403.1.7.3. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-47; filed May 23, 2001, 4:02 p.m.: 24 IR 3045*)

675 IAC 14-4.2-48 Section R403.1.7.4; alternate setback and clearances

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 48. Delete the second sentence of SECTION R403.1.7.4. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-48; filed May 23, 2001, 4:02 p.m.: 24 IR 3045*)

675 IAC 14-4.2-49 Section R403.1.8; foundations on expansive soils

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 49. Change SECTION R403.1.8 to read as follows: Foundation and floor slabs for buildings located on expansive soils shall be designed in accordance with the Indiana Building Code (675 IAC 13). (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-49; filed May 23, 2001, 4:02 p.m.: 24 IR 3045*)

675 IAC 14-4.2-49.5 Figure R403.3(1); insulation placement for frost-protected footings in heated buildings

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 49.5. Amend the top drawing of Figure R403.3(1) by changing the “12 IN Min” vertical dimension from the top of slab to the bottom of the horizontal insulation to be “12 IN Min” from the top of final grade to the bottom of the horizontal insulation. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-49.5; filed May 23, 2001, 4:02 p.m.: 24 IR 3045)*

675 IAC 14-4.2-50 Section R403.3.3; termite damage

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 50. Delete SECTION R403.3.3. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-50; filed May 23, 2001, 4:02 p.m.: 24 IR 3045)*

675 IAC 14-4.2-51 Section R404.1; concrete and masonry foundation walls

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 51. Delete the last sentence of SECTION R404.1. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-51; filed May 23, 2001, 4:02 p.m.: 24 IR 3045)*

675 IAC 14-4.2-52 Section R404.1.1; masonry foundation walls

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 52. Delete SECTION R404.1.1 and substitute to read as follows: Concrete masonry and clay foundation walls shall be constructed as set forth in TABLES R404.1.1(1), R404.1.1(2), R404.1.1(3), and R404.1.1(4); however, TABLE R404.1.1(1) can only be used in Seismic Category C₁ when the unbalanced fill is four (4) feet or less and TABLES R404.1.1(2), R404.1.1(3), and R404.1.1(4) shall be used when the unbalanced fill exceeds four (4) feet in Category C₁. These TABLES shall also comply with the provisions of this section and the applicable provisions of SECTIONS R606, R607, and R608. Rubble stone masonry foundation walls shall be constructed in accordance with SECTIONS R404.1.8 and R606.2.2. Rubble stone masonry walls shall not be used in Seismic Design Category C₁. Foundations constructed in Seismic Design Category C₁ shall be exempt from the seismic requirements of SECTION R606. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-52; filed May 23, 2001, 4:02 p.m.: 24 IR 3045)*

675 IAC 14-4.2-53 Section R404.1.2; concrete foundation walls

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 53. Delete SECTION R404.1.2 and substitute to read as follows: Concrete foundation walls shall be constructed as set forth in TABLES R404.1.1(1), R404.1.1(2), R404.1.1(3), and R404.1.1(4), and shall also comply with the provisions of this section and the applicable provisions of SECTION R402.2. In Seismic Design Category C₁, TABLE R404.1.1(1) can be used only when the height of the unbalanced fill is four (4) feet or less. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-53; filed May 23, 2001, 4:02 p.m.: 24 IR 3046)*

675 IAC 14-4.2-54 Section R404.1.5.1; pier and curtain wall foundations

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 54. (a) Delete in the third line of SECTION R404.1.5.1 the word “diameter”.

(b) Change in item 5 of SECTION R404.1.5.1, “accepted” to “approved”. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-54; filed May 23, 2001, 4:02 p.m.: 24 IR 3046; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

675 IAC 14-4.2-55 Section R404.2.1; wood grade

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 55. Delete the second and third sentences of SECTION R404.2.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-55; filed May 23, 2001, 4:02 p.m.: 24 IR 3046*)

675 IAC 14-4.2-56 Section R404.4; insulating concrete form foundation walls

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 56. Delete the last sentence of SECTION R404.4. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-56; filed May 23, 2001, 4:02 p.m.: 24 IR 3046*)

675 IAC 14-4.2-57 Section R404.4.7.2; termite hazards

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 57. Delete SECTION R404.4.7.2. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-57; filed May 23, 2001, 4:02 p.m.: 24 IR 3046*)

675 IAC 14-4.2-58 Section R 405.2.3; drainage system

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 58. Change SECTION R405.2.3 to read as follows: In other than Group I soils, a sump shall be provided to drain the porous layer and footings. The sump pit shall be a minimum of eighteen (18) inches (four hundred fifty-seven (457) millimeters) in diameter or equivalent and a minimum of twenty-four (24) inches (six hundred ten (610) millimeters) below the bottom of the basement floor. Where a porous layer of gravel, crushed stone, or coarse sand is used between the soil and the concrete floor slab, openings shall be made in the sump to allow drainage of that layer. The sump shall be capable of positive gravity or mechanical drainage to remove any accumulated water. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-58; filed May 23, 2001, 4:02 p.m.: 24 IR 3046*)

675 IAC 14-4.2-59 Section R406.2; concrete and masonry foundation waterproofing

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 59. Change the first sentence of SECTION R406.2 to read as follows: Exterior foundation walls that retain earth and enclose habitable or usable spaces located below grade shall be waterproofed with a membrane extending from the top of the footing to the finished grade. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-59; filed May 23, 2001, 4:02 p.m.: 24 IR 3046*)

675 IAC 14-4.2-60 Section R407.3; structural requirement

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 60. Add in the first sentence of SECTION R407.3 between “the” and “bottom” “top and”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-60; filed May 23, 2001, 4:02 p.m.: 24 IR 3046*)

675 IAC 14-4.2-61 Section R408.2; openings for under-floor ventilation

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 61. Change EXCEPTION 1 in SECTION R408.2 to read as follows: Ventilation openings to the outdoors are not required if ventilation openings to the interior are provided. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-61; filed May 23, 2001, 4:02 p.m.: 24 IR 3046)*

675 IAC 14-4.2-62 Section R408.3; access

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 62. Change SECTION R408.3 to read as follows: An access opening twenty-four (24) inches by eighteen (18) inches (six hundred ten (610) millimeters by four hundred fifty-seven (457) millimeters) shall be provided to the underfloor space. When the underfloor space access opening is through a wall, the opening shall be a minimum of twenty-four (24) inches (six hundred nine (609) millimeters) wide by sixteen (16) inches (four hundred six (406) millimeters) high with an areaway provided for access to the underfloor opening. The areaway shall be not less than twenty-four (24) inches (six hundred nine (609) millimeters) long parallel to the wall at the access opening by sixteen (16) inches (four hundred six (406) millimeters) wide perpendicular to the wall at the center of the access opening. The bottom of the areaway shall be below the threshold of the access opening. The underfloor access opening shall not be under a door. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-62; filed May 23, 2001, 4:02 p.m.: 24 IR 3046)*

675 IAC 14-4.2-63 Section R408.6; flood resistance

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 63. Delete the title and text of SECTION R408.6 and substitute to read as follows: Sump pit. All nonhabitable underfloor spaces shall be graded so as to direct any water accumulation to a central collection point. A sump pit shall be installed at that point so that, in the event of excess water accumulation, the installation of a sump pump can be readily accomplished. The sump pit shall be a minimum of eighteen (18) inches (four hundred fifty-seven (457) millimeters) in diameter or equivalent and a minimum of twenty-four (24) inches (six hundred ten (610) millimeters) below the bottom of the crawl space grade. Where a porous layer of gravel, crushed stone, or coarse sand is used in the crawl space, openings shall be made in the sump to allow drainage of that layer. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-63; filed May 23, 2001, 4:02 p.m.: 24 IR 3047)*

675 IAC 14-4.2-64 Section R502.1; general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 64. Delete the last sentence of SECTION R502.1. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-64; filed May 23, 2001, 4:02 p.m.: 24 IR 3047)*

675 IAC 14-4.2-65 Section R502.1.4; prefabricated wood i-joists

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 65. Delete SECTION R502.1.4. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-65; filed May 23, 2001, 4:02 p.m.: 24 IR 3047)*

675 IAC 14-4.2-66 Section R502.2.1; decks

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 66. Delete in the third sentence of SECTION R502.2.1 “verified during inspection” and substitute “achieved”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-66; filed May 23, 2001, 4:02 p.m.: 24 IR 3047*)

675 IAC 14-4.2-67 FIGURE R502.2; floor construction

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 67. Add a note to the joist between the fireplace and the center girder to read as follows: TAIL JOIST - SEE SECTION R502.10. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-67; filed May 23, 2001, 4:02 p.m.: 24 IR 3047*)

675 IAC 14-4.2-67.5 Table R502.3.2(2); floor joists spans for common lumber species

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 67.5. Change Table R502.3.1(2) as follows: Footnote a to Table R502.3.1(2)

Revise “Footnote a” to “note” and relocate above “For SI”. Re-designate Footnote b to Footnote a.

(*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-67.5; filed May 23, 2001, 4:02 p.m.: 24 IR 3047*)

675 IAC 14-4.2-68 Section R502.3.3; floor cantilevers

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 68. Add SECTION R502.3.3 after SECTION R502.3.2 to read as follows:

SECTION R502.3.3 FLOOR CANTILEVERS

Floor cantilever spans shall not exceed the nominal depth of the wood floor joist.

EXCEPTION: Floor cantilevers constructed in accordance with TABLE R502.3.3 shall be permitted when supporting a light-frame bearing wall and roof only. The ratio of backspan to cantilever span shall be at least 3 to 1.

(*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-68; filed May 23, 2001, 4:02 p.m.: 24 IR 3047*)

675 IAC 14-4.2-69 Table R502.3.3; cantilever spans for floor joists

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 69. Add TABLE R502.3.3 after SECTION R502.3.3 to read as follows:

TABLE R502.3.3
 CANTILEVER SPANS FOR FLOOR JOISTS
 SUPPORTING LIGHT-FRAME EXTERIOR BEARING WALL AND ROOF ONLY ^{a, b, c, f, g, h}
 (Floor Live Load ≤ 40 psf, Roof Live Load ≤ 20 psf)

Member and Spacing	Maximum Cantilever Span (Uplift Force at Backspan Support in Lbs.) ^{d, e}											
	Ground Snow Load											
	≤20 psf			30 psf			50 psf			70 psf		
	Roof Width			Roof Width			Roof Width			Roof Width		
	24 ft.	32 ft.	40 ft.	24 ft.	32 ft.	40 ft.	24 ft.	32 ft.	40 ft.	24 ft.	32 ft.	40 ft.
2 × 8 @ 12"	20" (177)	15" (227)		18" (209)								
2 × 10 @ 16"	29" (228)	21" (297)	16" (364)	26" (271)	18" (354)		20" (375)					
2 × 10 @ 12"	36" (166)	26" (219)	20" (270)	34" (198)	22" (263)	16" (324)	26" (277)			19" (356)		
2 × 12 @ 16"		32" (287)	25" (356)	36" (263)	29" (345)	21" (428)	29" (367)	20" (484)		23" (471)		
2 × 12 @ 12"		42" (209)	31" (263)		37" (253)	27" (317)	36" (271)	27" (358)	17" (447)	31" (348)	19" (462)	
2 × 12 @ 8"		48" (136)	45" (169)		48" (164)	38" (206)		40" (233)	26" (294)	36" (230)	29" (304)	18" (379)

For SI: 1 in. = 25.4 mm, 1 psf = 0.0479 kN/m²

Notes:

^a Tabulated values are for clear-span roof supported solely by exterior bearing walls.

^b Spans are based on No. 2 Grade lumber of douglas fir-larch, hem-fir, southern pine, and spruce-fir for repetitive (3 or more) members.

^c Ratio of backspan to cantilever span shall be at least 3:1.

^d Connections capable of resisting the indicated uplift force shall be provided at the backspan support.

^e Uplift force is for a backspan to cantilever span ratio of 3:1. Tabulated uplift values are permitted to be reduced by multiplying by a factor equal to 3 divided by the actual backspan ratio provided (3/backspan ratio).

^f See SECTION R301.2.2.7.1 for additional limitations on cantilevered floor joists for detached one and two family dwellings in Seismic Design Categories D1 and D2 and townhouses in Seismic Design Categories C, D1, and D2.

^g A full-depth rim joist shall be provided at the cantilevered end of the joists.

^h Linear interpolation shall be permitted for building widths and ground snow loads other than shown.

ⁱ Full depth solid blocking required at bearing points.

(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-69; filed May 23, 2001, 4:02 p.m.: 24 IR 3047)

675 IAC 14-4.2-70 Section R502.11.1; design

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 70. Delete the last sentence of SECTION R502.11.1. (Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-70; filed May 23, 2001, 4:02 p.m.: 24 IR 3048)

675 IAC 14-4.2-71 Section R502.11.3; alterations to trusses

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 71. Change the first sentence of SECTION R502.11.3 to read as follows: Truss members and components shall not be

cut, notched, spliced, or otherwise altered in any way without the approval of the building official. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-71; filed May 23, 2001, 4:02 p.m.: 24 IR 3048*)

675 IAC 14-4.2-72 Section R502.11.4; truss design drawings

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 72. Delete SECTION R502.11.4 and substitute to read as follows: Truss design drawings shall be provided to the building official as required by the General Administrative Rules (675 IAC 12) for Class 1 structures or by local ordinance for Class 2 structures. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-72; filed May 23, 2001, 4:02 p.m.: 24 IR 3048*)

675 IAC 14-4.2-73 Section R602.1; identification

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 73. Delete the last sentence of SECTION R602.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-73; filed May 23, 2001, 4:02 p.m.: 24 IR 3049*)

675 IAC 14-4.2-74 FIGURE R602.3(1); typical wall, floor, and roof framing

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 74. Change the note in FIGURE R602.3(1) stating “FOR BLOCKING AND BRIDGING - SEE SECTION R502.5” to read “FOR BLOCKING AND BRIDGING—SEE SECTION R502.7.1”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-74; filed May 23, 2001, 4:02 p.m.: 24 IR 3049*)

675 IAC 14-4.2-75 FIGURE R602.3(2); framing details

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 75. Change the note in FIGURE R 602.3(2) stating “CUT PLATE TIED WITH 25 GAGE STEEL ANGLE OR EQUIVALENT” to read “CUT PLATE TIED WITH 24 GAGE STEEL ANGLE A MINIMUM OF 1½” X 1½” WITH 8 - 16d NAILS AT EACH END OR EQUIVALENT”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-75; filed May 23, 2001, 4:02 p.m.: 24 IR 3049*)

675 IAC 14-4.2-75.5 Table R602.3.1; stud spacing

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 75.5. (a) Change the title of Table 602.3.1 to read as follows:

Table R602.3.1 Maximum Allowable Length of Wood Wall Studs Exposed to Wind Speeds of 100 MPH or Less^{b, c}.

(b) Change Table R602.3.1 as follows:

1. Change in the Supporting one floor and a roof >10 line, in the 16, 12, and 8 on-center-spacing (inches) columns “2 x 6” to “2 x 4”.

2. Change in the Supporting two floors and a roof >10 line, in the 12, and 8 on-center-spacing [*sic., on-center-spacing*] (inches) columns “2 x 6” to “2 x 4”.

(*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-75.5; filed May 23, 2001, 4:02 p.m.: 24 IR 3049*)

675 IAC 14-4.2-76 Section R602.6.1; drilling and notching of top plate

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 76. Change SECTION R602.6.1 to read as follows: When piping or ductwork is placed in or partly in an exterior wall or interior, braced or load-bearing wall, necessitating the drilling or notching of the top plate by more than fifty percent (50%) of its width, a galvanized metal tie not less than fifty-four thousandths (0.054) inch thick (one and thirty-seven hundredths (1.37) millimeters) (sixteen (16) gage) and one and five-tenths (1.5) inches (thirty-eight (38) millimeters) wide shall be fastened to a plate across and to each side of the opening with not less than eight 16d nails. See Figure R602.6.1.

EXCEPTION: When the entire side of the wall with the notch or drilling is covered by wood structural panel sheathing. (Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-76; filed May 23, 2001, 4:02 p.m.: 24 IR 3049)

675 IAC 14-4.2-77 FIGURE R602.6.1; top plate framing to accommodate piping

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 77. Change FIGURE R602.6.1 as follows: (a) Change the note stating “NOTCH GREATER THAN 50 PERCENT OF THE PLATE WIDTH” to read “DRILLING OR NOTCHING GREATER THAN 50 PERCENT OF THE PLATE WIDTH”.

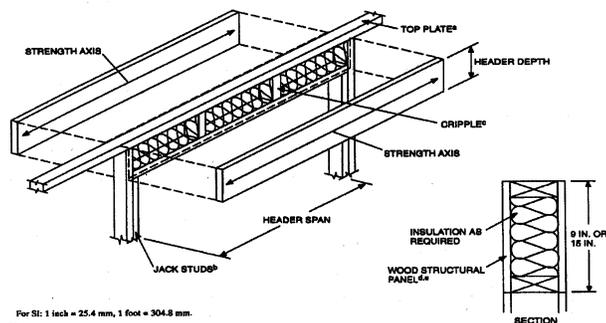
(b) Change the note stating “16 GAGE (0.054 IN.) AND 1.5 IN. WIDE METAL TIE ACROSS AND TO EACH SIDE OF THE NOTCH WITH 6-16d NAILS EACH SIDE” to read “16 GAGE (0.059 IN.) AND 1.5 IN. WIDE METAL TIE ACROSS AND TO EACH SIDE OF EACH PLATE OF THE DRILLING OR NOTCHING WITH 8-16d NAILS EACH SIDE”. (Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-77; filed May 23, 2001, 4:02 p.m.: 24 IR 3049)

675 IAC 14-4.2-77.5 Figure R602.7.2; typical wood structural panel box header construction

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 77.5. Amend Figure R602.7.2 to read as follows:



- Notes:
- a. The top plate shall be continuous over header.
 - b. Jack studs shall be used for spans over 4 feet.
 - c. Cripple spacing shall be the same as for studs.
 - d. Wood structural panel faces shall be single piece of 1/2-inch-thick Exposure 1 (exterior glue) or thicker, installed on the interior or exterior or both sides of the header.
 - e. Wood structural panel faces shall be nailed to framing and cripples with 8d common or galvanized box nails spaced 3 inches on center, staggering alternate nails 1/2 inch.
 - f. Galvanized nails shall be hot-dipped or tumbled.

FIGURE R602.7.2
TYPICAL WOOD STRUCTURAL PANEL BOX HEADER CONSTRUCTION

(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-77.5; filed May 23, 2001, 4:02 p.m.: 24 IR 3049)

675 IAC 14-4.2-78 TABLE R602.10.3; wall bracing

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 78. Change footnote (a) in TABLE R602.10.3 by deleting “Section 1615 of the International Building Code” to read “the Indiana Building Code 675 IAC 13”. (Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-78; filed May 23, 2001, 4:02 p.m.: 24 IR 3050)

675 IAC 14-4.2-78.5 Table R603.6(5); header to king stud connection requirements

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 78.5. Change Table R603.6(5) footnote d as follows: ^d12-No. 8 screws can be replaced by an up-lift connector which has a capacity of the number of screws multiplied by 164 pounds (e.g., 12-No. 8 screws can be by an up-lift connector whose capacity exceeds 12 by 164 pounds = 1,968 pounds). (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-78.5; filed May 23, 2001, 4:02 p.m.: 24 IR 3050*)

675 IAC 14-4.2-79 Section R604.1; identification and grade

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 79. Delete from the last sentence of SECTION R604.1 “or certificate of inspection issued by an approved agency”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-79; filed May 23, 2001, 4:02 p.m.: 24 IR 3050*)

675 IAC 14-4.2-80 Section R605.1; identification and grade

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 80. Delete from the first sentence of SECTION R605.1 “or certificate of inspection issued by an approved agency”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-80; filed May 23, 2001, 4:02 p.m.: 24 IR 3050*)

675 IAC 14-4.2-81 Section R606.1.1; professional registration not required

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 81. Delete SECTION R606.1.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-81; filed May 23, 2001, 4:02 p.m.: 24 IR 3050*)

675 IAC 14-4.2-82 Section R606.11; seismic requirements

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 82. Add at the end of the first sentence of SECTION R606.11 “C₁” between “C,” and “D₁”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-82; filed May 23, 2001, 4:02 p.m.: 24 IR 3050*)

675 IAC 14-4.2-83 Section R606.11.2; Seismic Design Category C

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 83. Change the title and text of SECTION R606.11.2 to read as follows: Seismic Design Category C and C₁. Structures located in Seismic Design Category C and C₁ shall comply with the requirements of this section. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-83; filed May 23, 2001, 4:02 p.m.: 24 IR 3050*)

675 IAC 14-4.2-84 FIGURE R606.10(2); requirements for reinforced grouted masonry construction in Seismic Design Category C

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 84. Add to the end of the title to FIGURE R606.10(2) “and C₁”. (*Fire Prevention and Building Safety Commission; 675*

IAC 14-4.2-84; filed May 23, 2001, 4:02 p.m.: 24 IR 3050)

675 IAC 14-4.2-84.5 Section R607.1.2; masonry in seismic design categories A, B, C and C₁

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 84.5. Change SECTION R607.1.2 to read as follows: R607.1.2 Masonry in Seismic Design Categories A, B, C, and C₁. Mortar for masonry serving as the lateral-force-resisting system in Seismic Design Categories A, B, C, and C₁ shall be Type M, S or N mortar. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-84.5; filed May 23, 2001, 4:02 p.m.: 24 IR 3050)*

675 IAC 14-4.2-85 Section R609.1.5; cleanouts

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 85. Change SECTION R609.1.5 to read as follows: Cleanouts shall be provided as specified in this section. The cleanouts shall be sealed before grouting. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-85; filed May 23, 2001, 4:02 p.m.: 24 IR 3050)*

675 IAC 14-4.2-85.5 Section R609.2.2; grout spaces

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 85.5. Change in SECTION R609.2.2 the word “course” to “coarse”. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-85.5; filed May 23, 2001, 4:02 p.m.: 24 IR 3050)*

675 IAC 14-4.2-86 Section R609.4.1; construction

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 86. Delete in SECTION R609.4.1, item number 4, the following: “and special inspection during grouting shall be required”. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-86; filed May 23, 2001, 4:02 p.m.: 24 IR 3051)*

675 IAC 14-4.2-87 Section R611.1; general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 87. Delete the last sentence of SECTION R611.1. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-87; filed May 23, 2001, 4:02 p.m.: 24 IR 3051)*

675 IAC 14-4.2-88 Section R702.4.2; gypsum backer

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 88. Change SECTION R702.4.2 to read as follows: Gypsum board utilized as the base or backer board for adhesive application of ceramic tile or other nonabsorbent finish material shall conform with ASTM C630 or C1178. Water-resistant gypsum backing board shall be permitted to be used on ceilings where framing spacing does not exceed twelve (12) inches (three hundred five (305) millimeters) on center for one-half (½) inch thick (twelve and seven-tenths (12.7) millimeters) or sixteen (16) inches (four hundred six (406) millimeters) for five-eighths (⅝) inch thick (fifteen and nine-tenths (15.9) millimeters) gypsum board. Water-resistant gypsum board shall not be installed over a vapor retarder or in a shower or tub compartment. All cut or exposed edges, including those at wall intersections, shall be sealed as recommended by the manufacturer. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-88; filed May 23, 2001, 4:02 p.m.: 24 IR 3051)*

675 IAC 14-4.2-89 Section R 703.4; attachments

Authority: IC 22-13-2-2; IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 89. Change SECTION R703.4 to read as follows: All wall coverings shall be securely fastened in accordance with Table R703.4 or with other approved aluminum, stainless steel, zinc-coated, or other approved corrosion-resistive fasteners. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-89; filed May 23, 2001, 4:02 p.m.: 24 IR 3051)*

675 IAC 14-4.2-89.5 Section R703.7; stone and masonry veneer, general

Authority: IC 22-13-2-2; IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 89.5. Change in SECTION R703.7 to read as follows: R703.7 Stone and masonry veneer, general. All stone and masonry veneer shall be installed in accordance with this chapter, Table R703.4, Figure R703.7 or the alternate masonry veneer wall details, Figure R703.3A. Such veneers installed over a backing of wood or cold-formed steel shall be limited to the first story above grade and shall not exceed 5 inches (127 mm) in thickness.

EXCEPTIONS: 1. In Seismic Design Categories A and B, exterior masonry veneer with a backing of wood or cold-formed steel framing shall not exceed 30 feet (9,144 mm) in height above the noncombustible foundation, with an additional 8 feet (2,348 mm) permitted for ends.

2. In Seismic Design Categories C and C₁, exterior masonry veneer with a backing of wood or cold-formed steel framing shall not exceed 30 feet (9,144 mm) in height above the noncombustible foundation, with an additional 8 feet (2,348 mm) permitted for gabled ends. In other than the topmost story, the length of bracing shall be 1.5 times the length otherwise required in Chapter 6.

3. Where type S mortar is used throughout, the alternate masonry veneer wall detail Figure R703.7A may be used.

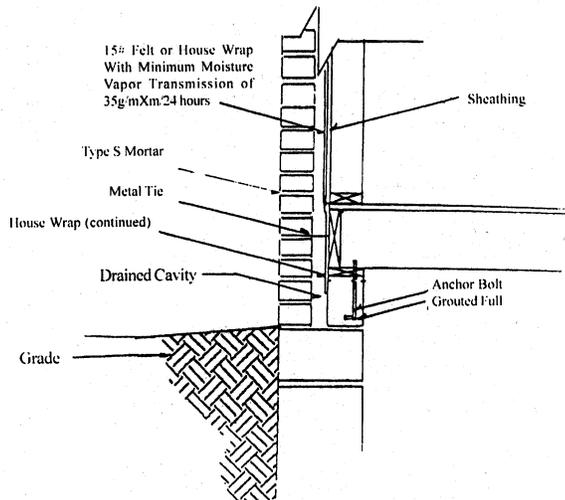


Figure R703.7A
 ALTERNATE MASONRY VENEER WALL DETAILS

(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-89.5; filed May 23, 2001, 4:02 p.m.: 24 IR 3051)

675 IAC 14-4.2-89.6 Figure R703.7; stone and masonry veneer, general

Authority: IC 22-13-2-2; IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 89.6. Amend Figure R703.7 by modifying the flashing detail to show the horizontal flashing between the veneer and the top of the top course of the foundation wall and delete the horizontal flashing between the sill plate and the top course of the foundation wall. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-89.6; filed May 23, 2001, 4:02 p.m.: 24 IR 3051*)

675 IAC 14-4.2-89.7 Section R703.3.5; flashing

Authority: IC 22-13-2-2; IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 89.7. Add an exception to the end of Section R703.7.5 to read as follows: EXCEPTION: Where type S mortar is used throughout the masonry veneer construction, Figure R703.7A may be used. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-89.7; filed May 23, 2001, 4:02 p.m.: 24 IR 3052*)

675 IAC 14-4.2-89.8 Section R703.7.6; weepholes

Authority: IC 22-13-2-2; IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 89.8. Add an exception to the end of Section R703.7.6 to read as follows: EXCEPTION: Where type S mortar is used throughout the masonry veneer construction, Figure R703.7A may be used. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-89.8; filed May 23, 2001, 4:02 p.m.: 24 IR 3052*)

675 IAC 14-4.2-89.9 Section R703.7.2.1; support by a steel angle

Authority: IC 22-13-2-2; IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 89.9. Delete Section R703.7.2.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-89.9; filed May 23, 2001, 4:02 p.m.: 24 IR 3052*)

675 IAC 14-4.2-89.10 Section R703.7.2.2; support by roof construction

Authority: IC 22-13-2-2; IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 89.10. Delete Section R703.7.2.2. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-89.10; filed May 23, 2001, 4:02 p.m.: 24 IR 3052*)

675 IAC 14-4.2-89.11 Section R703.8; flashing

Authority: IC 22-13-2-2; IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 89.11. Add an exception to the end of Section R703.8 to read as follows: EXCEPTION: Where type S mortar is used throughout the masonry veneer construction and the top of all windows and doors have been made leakproof, except that self-flashing windows having a continuous lap of not less than one and one-eighth [*sic.*] (1 1/8) inches (28 mm) over the sheathing material around the perimeter of the opening, including corners, do not require additional flashing and jamb flashing may also be omitted when specifically allowed by manufacturer's installation instructions, and a house wrap or 15:4 felt has been applied, Figure R703.7A may be used. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-89.11; filed May 23, 2001, 4:02 p.m.: 24 IR 3052; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-90 Section R703.8; flashing

Authority: IC 22-13-2-2; IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 90. Delete in SECTION R703.8, item number 1, “approved by the building official” and substitute “allowed by the manufacturer’s installation instructions”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-90; filed May 23, 2001, 4:02 p.m.: 24 IR 3052*)

675 IAC 14-4.2-91 Section R802.1; identification and grade

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 91. Delete the last sentence of SECTION R802.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-91; filed May 23, 2001, 4:02 p.m.: 24 IR 3052*)

675 IAC 14-4.2-92 Section R802.10.1; truss design drawings

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 92. Delete SECTION R802.10.1 and substitute to read as follows: Truss design drawings shall be provided to the building official as required by the General Administrative Rules (675 IAC 12) for Class 1 structures or by local ordinance for Class 2 structures. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-92; filed May 23, 2001, 4:02 p.m.: 24 IR 3052*)

675 IAC 14-4.2-93 Section R802.10.2; design

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 93. Delete the last sentence of SECTION R802.10.2. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-93; filed May 23, 2001, 4:02 p.m.: 24 IR 3052*)

675 IAC 14-4.2-94 Section R802.10.3; bracing

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 94. Change the first sentence of SECTION R802.10.3 to read as follows: Trusses shall be braced to prevent rotation and to provide lateral stability. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-94; filed May 23, 2001, 4:02 p.m.: 24 IR 3052*)

675 IAC 14-4.2-95 Section R802.10.4; alterations to trusses

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 95. Change the first sentence of SECTION R802.10.4 to read as follows: Truss members shall not be cut, notched, drilled, spliced, or otherwise altered in any way unless approved by the building official. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-95; filed May 23, 2001, 4:02 p.m.: 24 IR 3052*)

675 IAC 14-4.2-96 Section R802.11; roof tie-down

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 96. (a) Change the title to SECTION R802.11 to read as follows: R802.11 Roof tie-down. R802.11.1 Roof tie-down.

(b) Change the last sentence of SECTION R802.11.1 to read as follows: The base wind uplift pressure on roof assemblies shall be determined using an effective wind area of one hundred (100) square feet (nine and three-tenths (9.3) m²) and Zone 1 in TABLE R301.2(2) and then adjusted for height and exposure as required by TABLE R301.2(3) to determine the actual site specific wind uplift pressure. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-96; filed May 23, 2001, 4:02 p.m.: 24 IR*

3053)

675 IAC 14-4.2-97 Section R803.2.1; identification and grade

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 97. Delete from the first sentence of SECTION R803.2.1 “or certificate of inspection issued by an approved agency”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-97; filed May 23, 2001, 4:02 p.m.: 24 IR 3053*)

675 IAC 14-4.2-98 Section R903.4.1; overflow drains and scuppers

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 98. Delete the last paragraph of SECTION R903.4.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-98; filed May 23, 2001, 4:02 p.m.: 24 IR 3053*)

675 IAC 14-4.2-99 Section R904.3; material specifications and physical characteristics

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 99. Delete the last sentence of SECTION R904.3. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-99; filed May 23, 2001, 4:02 p.m.: 24 IR 3053*)

675 IAC 14-4.2-100 Section R907.1; general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 100. Change SECTION R907.1 to read as follows: Materials and methods of application used for recovering or replacing an existing roof shall comply with the requirements of this chapter. Roof coverings shall be designed and installed in accordance with this code and the approved manufacturer’s installation instructions such that the roof covering shall serve to protect the building or structure.

EXCEPTION: Reroofing shall not be required to meet the minimum design slope requirement of one-fourth (1/4) vertical in twelve (12) units horizontal (two percent (2%) slope) in SECTION R905 for roofs that provide positive roof drainage.

(*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-100; filed May 23, 2001, 4:02 p.m.: 24 IR 3053*)

675 IAC 14-4.2-101 Section R907.3; recovering versus replacement

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 101. Change in SECTION R907.3, item number 3, “two” to “three”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-101; filed May 23, 2001, 4:02 p.m.: 24 IR 3053*)

675 IAC 14-4.2-102 Section R1001.6; termination

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 102. Add in SECTION R1001.6 the following: (a) Add “highest” after “the” and before “point”.

(b) Add a paragraph to the end of SECTION R1001.6 to read: See FIGURE R1001.6. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-102; filed May 23, 2001, 4:02 p.m.: 24 IR 3053*)

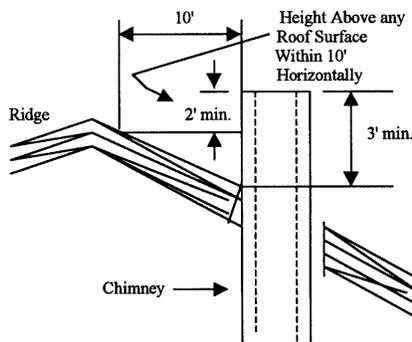
675 IAC 14-4.2-103 FIGURE R1001.6; chimney termination

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 103. Add FIGURE R1001.6 as follows:

FIGURE R1001.6
Chimney Termination



(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-103; filed May 23, 2001, 4:02 p.m.: 24 IR 3053)

675 IAC 14-4.2-104 Section R1001.6.1; spark arrestors

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 104. Add SECTION R1001.6.1 after SECTION R1001.6 to read as follows: R1001.6.1 Spark arrestors. When a spark arrestor is installed on a masonry chimney, the spark arrestor shall meet all of the following requirements:

1. The net-free area of the arrestor shall be not less than four (4) times the net-free area of the outlet of the chimney flue it serves.
2. The arrestor screen shall have heat and corrosion resistance equivalent to nineteen (19) gage galvanized steel or twenty-four (24) gage stainless steel.
3. Openings shall not permit the passage of spheres having a diameter larger than one-half ($\frac{1}{2}$) inch nor block the passage of spheres having diameter of less than three-eighths ($\frac{3}{8}$) inch.
4. The spark screen shall be accessible for cleaning and the screen or chimney cap shall be removable to allow for cleaning of the chimney flue.

(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-104; filed May 23, 2001, 4:02 p.m.: 24 IR 3054)

675 IAC 14-4.2-105 Section R1003.3; seismic reinforcing

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 105. Change the first sentence of SECTION R1003.3 to read as follows: Masonry or concrete chimneys in Seismic Design Category C₁ shall be reinforced. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-105; filed May 23, 2001, 4:02 p.m.: 24 IR 3054)*

675 IAC 14-4.2-105.5 Section R1003; seismic anchorage

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 105.5. Change SECTION R1003.4 by deleting D₁ and D₂ and substituting C₁. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-105.5; filed May 23, 2001, 4:02 p.m.: 24 IR 3054*)

675 IAC 14-4.2-106 Section R1005.1; exterior air

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 106. Delete in SECTION R1005.1 “unless the room is mechanically ventilated and controlled so that the indoor pressure is neutral or positive.”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-106; filed May 23, 2001, 4:02 p.m.: 24 IR 3054*)

675 IAC 14-4.2-107 Chapter 11; energy efficiency

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 107. Delete Chapter 11 in its entirety and substitute the following: See the Indiana Energy Conservation Code, 675 IAC 19. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-107; filed May 23, 2001, 4:02 p.m.: 24 IR 3054; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-108 Section M1201.1; scope

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 108. Change SECTION M1201.1 to read as follows: The provisions of CHAPTERS 1, 2, and 12 through 24 shall regulate the design, installation, and alteration of any part of the permanent heating, ventilating, and air conditioning for a Class 1 structure-townhouse or a Class 2 structure-1 or 2 family dwelling. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-108; filed May 23, 2001, 4:02 p.m.: 24 IR 3054*)

675 IAC 14-4.2-109 Section M1201.2; application

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 109. Delete SECTION M1201.2. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-109; filed May 23, 2001, 4:02 p.m.: 24 IR 3054; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-110 Section M1202; existing mechanical systems

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 110. Delete SECTION M1202 and substitute to read as follows: For existing installations see Chapter 1 and the General Administrative Rules (675 IAC 12). (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-110; filed May 23, 2001, 4:02 p.m.: 24 IR 3054; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-111 Section M1303.1; label information

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 111. Change in SECTION M1303.1, item number 4 “approval” to “acceptance”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-111; filed May 23, 2001, 4:02 p.m.: 24 IR 3054; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-112 Section M1307.3.1; protection from impact

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 112. Delete SECTION M1307.3.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-112; filed May 23, 2001, 4:02 p.m.: 24 IR 3054; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-113 Section M1501.3; length limitation

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 113. Change in the first sentence of SECTION M1501.3 “25 feet (7620 mm)” to read “thirty-five (35) feet”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-113; filed May 23, 2001, 4:02 p.m.: 24 IR 3055; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-114 Section M1503.1; installation of microwave oven over a cooking appliance

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 114. Delete SECTION M1503.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-114; filed May 23, 2001, 4:02 p.m.: 24 IR 3055; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-115 Chapter 19; special fuel-burning equipment

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 115. Delete Chapter 19. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-115; filed May 23, 2001, 4:02 p.m.: 24 IR 3055; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-116 Section M2001; boilers

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13-2-9; IC 22-14; IC 22-15; IC 36-7

Sec. 116. Add SECTION M2001.1.2 to the end of SECTION M2001 to read as follows: Boilers and water heaters regulated by the Boiler and Pressure Vessel Rules Board (680 IAC 2) under IC 22-13-2-9; are not regulated by this code. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-116; filed May 23, 2001, 4:02 p.m.: 24 IR 3055; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-117 Section M2005.5; anchorage of water heaters in Seismic Design Category C₁

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 117. Add SECTION M2005.5 to the end of SECTION M2005 to read as follows: M2005.5 Anchorage of Water Heaters in Seismic Design Category C₁. In Seismic Design Category C₁, all water heaters shall be anchored or fastened to resist horizontal displacement due to earthquake motion as provided in SECTION M1307.2. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-117; filed May 23, 2001, 4:02 p.m.: 24 IR 3055; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-118 Section M2006; pool heaters

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 118. Delete SECTION M2006. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-118; filed May 23, 2001, 4:02 p.m.: 24 IR 3055; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-119 Section M2201.3; underground tanks

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 119. Delete SECTION M2201.3 and substitute to read as follows: Excavations for underground tanks shall not undermine the foundations of existing structures.

Underground tanks shall be set on firm foundations and surrounded with at least six (6) inches (one hundred fifty-two and four-tenths (152.4) millimeters) of noncorrosive inert material, such as clean sand or gravel well-tamped in place or in accordance with the manufacturer's installation instructions. Tanks shall be covered with a minimum of two (2) feet (six hundred nine and six-tenths (609.6) millimeters) of earth or shall be covered by not less than one (1) foot (three hundred four and eight-tenths (304.8) millimeters) of earth, on top of which shall be placed a slab of reinforced concrete not less than four (4) inches (one hundred one and six-tenths (101.6) millimeters) thick.

When underground tanks are, or are likely to be, subjected to traffic, they shall be protected against damage from vehicles passing over them by at least three (3) feet (nine hundred fourteen and four-tenths (914.4) millimeters) of earth cover, or eighteen (18) inches (four hundred fifty-seven and two-tenths (457.2) millimeters) of well-tamped earth plus six (6) inches (one hundred fifty-two and four-tenths (152.4) millimeters) of reinforced concrete, or eight (8) inches (two hundred three and two-tenths (203.2) millimeters) of asphaltic concrete. When asphaltic or reinforced concrete paving is used as part of the protection, it shall extend at least one (1) foot (three hundred four and eight-tenths (304.8) millimeters) horizontally beyond the outline of the tank in all directions.

The clearance from the tank to the nearest wall of a basement, pit, or property line shall not be less than one (1) foot (three hundred five (305) millimeters).

Corrosion protection shall be provided in accordance with SECTION M2203.7. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-119; filed May 23, 2001, 4:02 p.m.: 24 IR 3055; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-120 Section M2301.1; general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 120. Change SECTION M2301.1 to read as follows: This section provides for construction, installation, and alteration of equipment and systems utilizing solar energy to provide space heating or cooling and hot water heating. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-120; filed May 23, 2001, 4:02 p.m.: 24 IR 3055; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-121 Section G2401.1; application

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 121. (a) Delete in the second sentence of the second paragraph of SECTION G2401.1 “, inspection, operation, and maintenance”, and add “and” before “testing” and delete the comma after “installation”.

(b) Change in item number 3 of SECTION G2401.1 “401.1.1” to read “G2411.1.1”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-121; filed May 23, 2001, 4:02 p.m.: 24 IR 3056; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-122 Section G2403; general definitions

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13-2-9; IC 22-14; IC 22-15; IC 36-7

Sec. 122. Change SECTION G2403 as follows: (a) Change the title to read as follows: SECTION G2403(202) GENERAL DEFINITIONS FOR THE PURPOSE OF CHAPTER 24 ONLY.

(b) Add to the end of the definition of BOILER, LOW PRESSURE as follows: This definition is not applicable to boilers regulated by the Boiler and Pressure Vessel Rules Board (680 IAC 2) under IC 22-13-2-9.

(c) Delete the definition of CODE.

(d) Delete the definition of CODE OFFICIAL and substitute to read as follows: See BUILDING OFFICIAL in SECTION R202.

(e) Delete the definition of HAZARDOUS LOCATION.

(f) Add after “MODULATING”, NFPA 58 see 675 IAC 22-2.2-14.

(g) Add after “UNIT HEATER”, UNUSUALLY TIGHT CONSTRUCTION, see SECTION R202. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-122; filed May 23, 2001, 4:02 p.m.: 24 IR 3056; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-123 Section G2404.7; flood hazard

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 123. Delete SECTION G2404.7 and substitute to read as follows: See local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-123; filed May 23, 2001, 4:02 p.m.: 24 IR 3056; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-124 Section G2405.1; structural safety

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 124. Delete in the second sentence of SECTION G2405.1 “repairing” and substitute “altering”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-124; filed May 23, 2001, 4:02 p.m.: 24 IR 3056; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-125 Section G2407.4 and Section G2407.5; process air and ventilation air

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 125. Delete SECTIONS G2407.4 and G2407.5. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-125; filed May 23, 2001, 4:02 p.m.: 24 IR 3056; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-126 Section G2408.1; general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 126. (a) Delete at the end of the first paragraph of SECTION G2408.1 “at the time of inspection”.

(b) Delete at the end of the second paragraph of SECTION G2408.1 “and the requirements determined by the code official”.

(c) Add in the second paragraph of SECTION G2408.1 after “instructions,” and before “the”, “and”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-126; filed May 23, 2001, 4:02 p.m.: 24 IR 3056; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-127 Section G2408.3; private garages

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 127. Delete SECTION G2408.3. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-127; filed May 23, 2001, 4:02 p.m.: 24 IR 3056; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-128 Section G2411.1; scope

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 128. Change SECTION G2411.1 to read as follows: This chapter shall govern the design, installation, and modification of piping systems. The applicability of this code to piping systems extends from the point of delivery to the connections with the equipment and includes the design, materials, components, fabrication, assembly, installation, and testing of such piping systems. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-128; filed May 23, 2001, 4:02 p.m.: 24 IR 3056; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-129 Section G2411.1.1; utility piping systems located within buildings

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 129. Delete SECTION G2411.1.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-129; filed May 23, 2001, 4:02 p.m.: 24 IR 3057; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-130 Section G2412.2; maximum gas demand

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 130. Delete in the last sentence of the first paragraph of SECTION G2412.2 “a qualified” and substitute “an approved”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-130; filed May 23, 2001, 4:02 p.m.: 24 IR 3057; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-131 Section G2413.1; material application

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 131. Change SECTION G2413.1 as follows: (a) Change “approached by the code official” to “approved by the building official”.

(b) Change “imited” to “limited”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-131; filed May 23, 2001, 4:02 p.m.: 24 IR 3057; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-132 Section G2413.3; other materials

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 132. Change “code official” to “building official”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-132; filed May 23, 2001, 4:02 p.m.: 24 IR 3057; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-133 Section G2414.3; piping in concealed locations

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 133. Delete in SECTION G2414.3 “Standard for the Storage and Handling of Liquefied Petroleum Gases”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-133; filed May 23, 2001, 4:02 p.m.: 24 IR 3057; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-134 Section G2414.8; protection against corrosion

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 134. Change in the third sentence of SECTION G2414.8 “in a manner satisfactory to the code official” to read “as approved by the building official”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-134; filed May 23, 2001, 4:02 p.m.: 24 IR 3057; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-135 Section G2414.9.1; individual outside appliances

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 135. Delete SECTION G2414.9.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-135; filed May 23, 2001, 4:02 p.m.: 24 IR 3057; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-136 Section G2414.16; testing of piping

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 136. Delete the word “, inspection” in the last sentence of SECTION G2414.16. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-136; filed May 23, 2001, 4:02 p.m.: 24 IR 3057; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-137 Section G2416; inspection, testing, and purging

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 137. Change SECTION G2416 as follows: (a) Change the title to read as follows: SECTION G2416 (406) TESTING AND PURGING.

(b) Delete in SECTION G2416.1 “inspected and”.

(c) Delete SECTION G2416.1.1.

(d) Change the title and text of SECTION G2416.1.2 to read as follows: Additions. In the event additions are made following the pressure test, the affected piping shall be tested.

EXCEPTION: Minor additions, provided the work and connections are tested with a noncorrosive leak-detecting fluid or other leak-detecting methods approved by the building official.

(*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-137; filed May 23, 2001, 4:02 p.m.: 24 IR 3057; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-138 Section G2416.6.2; before turning gas on

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 138. Change SECTION G2416.6.2 to read as follows: Before gas is introduced into a system of new gas piping, it shall be determined that there are no open fittings or ends and that all manual valves at outlets on equipment are closed and all unused valves at outlets are closed and plugged or capped. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-138; filed May 23, 2001, 4:02 p.m.: 24 IR 3058; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-139 Section G2416.6.3; test for leakage

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 139. (a) Delete in SECTION G2416.6.3 “or into a system that has been initially restored after an interruption of service,”.

(b) Change the last sentence of SECTION G2416.6.3 to read as follows: If leakage is indicated, the gas supply shall be shut off until the leakage is corrected. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-139; filed May 23, 2001, 4:02 p.m.: 24 IR 3058; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

675 IAC 14-4.2-140 Section G2416.7.1; removal from service

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 140. Delete “servicing,” from SECTION G2416.7.1 and substitute “an”. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-140; filed May 23, 2001, 4:02 p.m.: 24 IR 3058; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

675 IAC 14-4.2-141 Section G2419.2; meter valve

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 141. Delete SECTION G2419.2. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-141; filed May 23, 2001, 4:02 p.m.: 24 IR 3058; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

675 IAC 14-4.2-142 Section G2422; CNG gas-dispensing systems

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 142. Delete SECTION G2422. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-142; filed May 23, 2001, 4:02 p.m.: 24 IR 3058; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

675 IAC 14-4.2-143 Section G2424.1; scope

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 143. Delete from SECTION G2424.1 “, maintenance, repair”. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-143; filed May 23, 2001, 4:02 p.m.: 24 IR 3058; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

675 IAC 14-4.2-144 Section G2426.8; venting system location

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 144. Change SECTION G2426.8, item 4 to read as follows: 4. Through-the-wall vents for Categories II and IV appliances and noncategorized appliances shall not terminate over walkways or over an area where condensate or vapor could be detrimental to the operation of regulators, relief valves, or other equipment. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-144; filed May 23, 2001, 4:02 p.m.: 24 IR 3058; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

675 IAC 14-4.2-145 Section G2426.9; condensation drain

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 145. Delete SECTION G2426.9 and substitute to read as follows: For collection and disposal of condensate from venting

systems see local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-145; filed May 23, 2001, 4:02 p.m.: 24 IR 3058; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-146 Section G2426.6.10; marking

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 146. Delete SECTION G2426.6.10. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-146; filed May 23, 2001, 4:02 p.m.: 24 IR 3058; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-147 Section G2427.1; definitions

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 147. Add to the definition of APPLIANCE CATEGORIZED VENT DIAMETER/AREA in SECTION G2427.1 “approved” after “with” and before “nationally”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-147; filed May 23, 2001, 4:02 p.m.: 24 IR 3058; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-148 Section G2430.1; scope

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 148. Change SECTION G2430.1 to read as follows: This chapter shall govern the approval, design, installation, construction, and alteration of the appliances and equipment specifically identified herein. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-148; filed May 23, 2001, 4:02 p.m.: 24 IR 3059; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-149 Section G2436; clothes dryer

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 149. Delete SECTION G2436. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-149; filed May 23, 2001, 4:02 p.m.: 24 IR 3059; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-150 Section G2437.5.1; maximum length

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 150. Change in the first sentence of SECTION G2437.5.1 “25 feet (7620 mm)” to read “35 feet”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-150; filed May 23, 2001, 4:02 p.m.: 24 IR 3059; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-151 Section G2438; sauna heaters

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 151. Delete SECTION G2438. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-151; filed May 23, 2001, 4:02 p.m.: 24 IR 3059; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-152 Section G2439; pool and spa heaters

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 152. Delete SECTION G2439. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-152; filed May 23, 2001, 4:02 p.m.: 24 IR 3059; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-153 Section G2445; cooking appliances

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 153. Delete SECTION G2445. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-153; filed May 23, 2001, 4:02 p.m.: 24 IR 3059; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-154 Section G2446.1; general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13-2-9; IC 22-14; IC 22-15; IC 36-7

Sec. 154. Add an exception to the end of SECTION G2446.1 to read as follows: EXCEPTION: Water heaters regulated by the Boiler and Pressure Vessel Rules Board (680 IAC 2) under IC 22-13-2-9 are not regulated by this code. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-154; filed May 23, 2001, 4:02 p.m.: 24 IR 3059; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-155 Section G2450.1; general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13-2-9; IC 22-14; IC 22-15; IC 36-7

Sec. 155. Change SECTION G2450.1 as follows: (a) Change the second sentence of SECTION G2450.1 as follows: Delete “When required by the code official” and capitalize “the” after “official” and before “boiler”.

(b) Add an exception to the end of SECTION G2450.1 to read as follows: EXCEPTION: Boilers regulated by the Boiler and Pressure Vessel Rules Board (680 IAC 2) under IC 22-13-2-9 are not regulated by this code. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-155; filed May 23, 2001, 4:02 p.m.: 24 IR 3059; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-156 Section P2501; general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 156. Delete SECTION P2501 and substitute to read as follows: The provisions of Chapters 1, 2, and 25 through 32 shall establish the requirements for plumbing and plumbing systems. Compliance with the Indiana Plumbing Code (675 IAC 16) shall be allowed instead of compliance with this code. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-156; filed May 23, 2001, 4:02 p.m.: 24 IR 3059; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-157 Section P2502; existing plumbing systems

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 157. Delete SECTION P2502 and substitute to read as follows: See the General Administrative Rules (675 IAC 12). (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-157; filed May 23, 2001, 4:02 p.m.: 24 IR 3059; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-158 Section P2503.1; inspection required

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 158. Delete SECTION P2503.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-158; filed May 23,*

2001, 4:02 p.m.: 24 IR 3059; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)

675 IAC 14-4.2-159 Section P2503.2; concealment

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 159. Delete in SECTION P2503.2 “, inspected”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-159; filed May 23, 2001, 4:02 p.m.: 24 IR 3060; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-160 Section P2503.3; responsibility of permitter

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 160. Delete SECTION P2503.3. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-160; filed May 23, 2001, 4:02 p.m.: 24 IR 3060; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-161 Section P2503.5.2; finished plumbing

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 161. Delete in SECTION P2503.5.2, item 2, “the local administrative authority” and substitute “local ordinance”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-161; filed May 23, 2001, 4:02 p.m.: 24 IR 3060; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-162 Section P2503.7; inspection and testing of backflow prevention devices

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 162. Change the title and text of SECTION P2503.7 to read as follows: Testing of backflow prevention devices. Testing of backflow prevention devices shall comply with SECTION P2503.7.2. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-162; filed May 23, 2001, 4:02 p.m.: 24 IR 3060; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-163 Section P2503.7.1; inspections

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 163. Delete SECTION P2503.7.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-163; filed May 23, 2001, 4:02 p.m.: 24 IR 3060; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-164 Section P2503.7.2; testing

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 164. Change SECTION P2503.7.2 to read as follows: Reduced pressure principle backflow preventers, double check valve assemblies, double-detector check valve assemblies, and pressure vacuum breaker assemblies shall be tested at the time of installation. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-164; filed May 23, 2001, 4:02 p.m.: 24 IR 3060; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-165 Section P2603.1; protection against physical damage

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 165. Delete in SECTION P2603.1 “or repairing”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-165; filed May 23, 2001, 4:02 p.m.: 24 IR 3060; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-166 Section P2603.2.1; protection against physical damage

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 166. (a) Change in SECTION P2603.2.1 “1.5 inches (38 mm)” to read “1¼ inches”.

(b) Delete in SECTION P2603.2.1 “and shall extend a minimum of 2 inches (51 mm) above sole plates and below top plates”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-166; filed May 23, 2001, 4:02 p.m.: 24 IR 3060; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-167 Section P2603.5; pipes through footings or foundation walls

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 167. Delete in SECTION P2603.5 “two pipe sizes”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-167; filed May 23, 2001, 4:02 p.m.: 24 IR 3060; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-168 Section P2604.5; inspection

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 168. Delete in SECTION P2604.5 “inspected”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-168; filed May 23, 2001, 4:02 p.m.: 24 IR 3060; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-169 Section P2706.2; standpipes

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 169. Add an exception to the end of SECTION P2706.2 to read as follows: EXCEPTION: A one and one-half (1½) inch standpipe shall extend a minimum of thirty (30) inches and a maximum of forty-two (42) inches. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-169; filed May 23, 2001, 4:02 p.m.: 24 IR 3060; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-170 Section P2706.2.1; laundry tray connection

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 170. Delete the last sentence of SECTION P2706.2.1. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-170; filed May 23, 2001, 4:02 p.m.: 24 IR 3061; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-171 Section P2717.3; sink, dishwasher, and food grinder

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 171. Change the last sentence of P2717.3 to read as follows: The dishwasher waste line shall rise and be securely fastened. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-171; filed May 23, 2001, 4:02 p.m.: 24 IR 3061; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-172 Section P2802.2; scald protection

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 172. Change SECTION P2802.2 as follows: (a) Change “requires” to “allows”.

(b) Add after “temper the water” and before “for”, “not to exceed 140°F”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-172; filed May 23, 2001, 4:02 p.m.: 24 IR 3061; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-173 Section P2901.1; potable water required

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 173. Change in SECTION P2901.1 “appropriate” to “approved”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-173; filed May 23, 2001, 4:02 p.m.: 24 IR 3061; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-174 Section P2903.8.5; support and protection

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 174. Delete the last sentence of SECTION P2903.8.5. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-174; filed May 23, 2001, 4:02 p.m.: 24 IR 3061; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-175 Section P2903.9.1; service valve

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 175. Change in the last sentence of SECTION P2903.9.1 “requirements” to “ordinance”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-175; filed May 23, 2001, 4:02 p.m.: 24 IR 3061; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-176 Section P2907; drinking water treatment units

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 176. Delete SECTION P2907. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-176; filed May 23, 2001, 4:02 p.m.: 24 IR 3061; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-177 Section P3101.4 and SECTION P3103.2; extension outside a structure and frost closure

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 177. Delete SECTIONS P3101.4 and P3103.2. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-177; filed May 23, 2001, 4:02 p.m.: 24 IR 3061; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-178 Table P3105.1; maximum distance of fixture trap from vent

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 178. Add a note to TABLE P3105.1 to read as follows: NOTE: A trap arm serving only a bath tub or shower may be increased to nine (9) feet with a slope of not less than one-eighth (1/8) inch per foot. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-178; filed May 23, 2001, 4:02 p.m.: 24 IR 3061; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-179 Section P3201.4; building traps

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 179. Delete SECTION P3201.4. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-179; filed May 23, 2001, 4:02 p.m.: 24 IR 3061; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-180 Table P3201.7; size of traps and trap arms for plumbing fixtures

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 180. Change TABLE P3201.7 as follows: (a) Change the shower trap size minimum from “2” to “1½”.

(b) Add a note to read as follows: NOTE: A clothes washer standpipe may be one and one-half (1½) inches when installed in accordance with SECTION P2706.2. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-180; filed May 23, 2001, 4:02 p.m.: 24 IR 3061; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-181 Section E3301.2; scope

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 181. Change SECTION E3301.2 to read as follows: Chapters 1 and 33 through 42 shall cover the installation of electrical systems, equipment and components for the permanent heating, ventilating, air conditioning, electrical, plumbing, sanitary, emergency detection, emergency communication, or fire or explosion suppression systems that are part of a Class 1 structure - townhouse or Class 2 structure - 1 and 2 family dwelling.

Services within the scope of this code shall be limited to 120/240-volt, 0 to 400 ampere, single-phase systems.

The omission from these chapters of any material or method of construction provided for in the Indiana Electrical Code (675 IAC 17) shall not be construed as prohibiting the use of such material or method of construction. Electrical systems, equipment, or components not specifically addressed in these chapters shall comply with the applicable provisions of the Indiana Electrical Code (675 IAC 17).

Compliance with the Indiana Electrical Code (675 IAC 17) is allowed instead of compliance with this code. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-181; filed May 23, 2001, 4:02 p.m.: 24 IR 3062; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-182 Section E3301.3; not covered

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 182. Add item number 3 to SECTION E3301.3 to read as follows: 3. Installations not part of a Class 1 structure - townhouse or Class 2 structure - 1 and 2 family dwelling. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-182; filed May 23, 2001, 4:02 p.m.: 24 IR 3062; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-183 Section E3303.2; inspection required

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 183. Delete SECTION E3303.2. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-183; filed May 23, 2001, 4:02 p.m.: 24 IR 3062; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-184 Section E3304.2; interrupting rating

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 184. Change SECTION E3304.2 to read as follows: Equipment intended to interrupt current at fault levels shall have an interrupting rating sufficient for the nominal circuit voltage and the current that is available at the line terminals of the equipment. Equipment intended to interrupt current at other than fault levels shall have an interrupting rating at nominal circuit voltage sufficient for the current that must be interrupted. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-184; filed May 23, 2001, 4:02 p.m.: 24 IR 3062; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

675 IAC 14-4.2-185 Section E3305.6; illumination

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 185. Add a sentence to the end of SECTION E3305.6 to read as follows: Additional lighting fixtures shall not be required where the work space is illuminated by an adjacent artificial light source. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-185; filed May 23, 2001, 4:02 p.m.: 24 IR 3062; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

675 IAC 14-4.2-186 Section E3306.6; conductors in parallel

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 186. Change in the first sentence in SECTION E3306.6 “10” to “1/0”. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-186; filed May 23, 2001, 4:02 p.m.: 24 IR 3062; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

675 IAC 14-4.2-187 Section E3401; general

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 187. Change SECTION E3401 as follows: (a) Delete the definition of APPROVED and substitute to read as follows: See the definition of APPROVED in SECTION R202.

(b) Delete the definition of LABELED and substitute as follows: See the definition of LABELED in SECTION R202.

(c) Delete the definition of LISTED and substitute to read as follows: See the definition of LISTED AND LISTING in SECTION R202. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-187; filed May 23, 2001, 4:02 p.m.: 24 IR 3062; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

675 IAC 14-4.2-188 Section E3506.3; available short-circuit current

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 188. Delete from SECTION E3506.3 “, but not less than 10,000 amperes”. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-188; filed May 23, 2001, 4:02 p.m.: 24 IR 3062; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

675 IAC 14-4.2-189 Section E3509.7; metal gas piping bonding

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 189. Delete from SECTION E3509.7 “and bonded to the grounding electrode system”. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-189; filed May 23, 2001, 4:02 p.m.: 24 IR 3063; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

675 IAC 14-4.2-190 Section E3602.9.1; minimum branch circuit for ranges

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 190. Add EXCEPTIONS 1 and 2 to SECTION E3602.9.1 to read as follows:

EXCEPTION 1. Tap conductors supplying electric ranges, wall-mounted electric ovens, and counter-mounted electric cooking units from a 50-ampere branch circuit shall have an ampacity of not less than twenty (20) and shall be sufficient for the load to be served. The taps shall not be longer than necessary for servicing the appliance.

2. The neutral conductor of a 3-wire branch circuit supplying a household electric range, a wall-mounted oven, or a counter-mounted cooking unit shall be permitted to be smaller than the ungrounded conductors where the maximum demand of a range of 8 ¾ kW or more rating has been computed according to Column A of TABLE E3604.3(2), but shall have an ampacity of not less than seventy (70) percent of the branch-circuit rating and shall not be smaller than No. 10.

(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-190; filed May 23, 2001, 4:02 p.m.: 24 IR 3063; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)

675 IAC 14-4.2-191 Figure E3801.4; countertop receptacles

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 191. Change FIGURE E3801.4 as follows: Add to FIGURE E3801.4 text to read “GFCI” next to the receptacle for the island countertop. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-191; filed May 23, 2001, 4:02 p.m.: 24 IR 3063; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

675 IAC 14-4.2-192 Section E3802; ground-fault and arc-fault circuit-interrupter protection

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 192. Add SECTIONS E3802.9, E3802.9.1, and E3802.9.2 to the end of SECTION E3802 to read as follows:

E3802.9 ARC-FAULT CIRCUIT-INTERRUPTER-PROTECTION

E3802.9.1 Definition. An arc-fault circuit-interrupter is a device intended to provide protection from the effects of arc faults by recognizing characteristics unique to arcing and by functioning to de-energize the circuit when an arc fault is detected.

E3802.9.2 Dwelling unit bedrooms. All branch circuits that supply 125-volt, single-phase, 15- and 20- ampere receptacle outlets installed in dwelling unit bedrooms shall be protected by an arc-fault circuit interrupter(s). This requirement shall become effective January 1, 2002.

(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-192; filed May 23, 2001, 4:02 p.m.: 24 IR 3063; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)

675 IAC 14-4.2-193 Section E3808.7; load-side equipment

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 193. (a) Change the exception in SECTION E3808.7 to read as follows: EXCEPTION 1. For separate buildings, in accordance with SECTION E3507.3.

(b) Add EXCEPTION 2 to SECTION E3808.7 to read as follows: EXCEPTION 2. It shall be permissible to ground meter enclosures by connection to the grounded circuit conductor on the load-side of the service if:

(1) all meter enclosures are located near the service disconnecting means; and

(2) the size of the grounded circuit conductor is not smaller than the size specified in TABLE E3808.12 for equipment grounding conductors.

(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-193; filed May 23, 2001, 4:02 p.m.: 24 IR 3063; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)

675 IAC 14-4.2-194 Section E4103.6; underground wiring

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 194. Delete in the last sentence of SECTION E4103.6 “not”. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-194; filed May 23, 2001, 4:02 p.m.: 24 IR 3063; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-195 Chapter 43; referenced standards

Authority: IC 22-13-2-2; IC 22-13-2-13
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 195. Delete in the first paragraph of CHAPTER 43 “Section 102.4” and substitute to read as follows: SECTION R102. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-195; filed May 23, 2001, 4:02 p.m.: 24 IR 3063; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-196 Appendix A; sizing and capacities of gas pipe

Authority: IC 22-13-2-2; IC 22-13-2-13
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 196. Delete APPENDIX A. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-196; filed May 23, 2001, 4:02 p.m.: 24 IR 3064; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-197 Appendix B; sizing of venting systems serving appliances equipped with draft hoods, Category 1 appliances, and appliances listed for use and Type B vents

Authority: IC 22-13-2-2; IC 22-13-2-13
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 197. Delete APPENDIX B. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-197; filed May 23, 2001, 4:02 p.m.: 24 IR 3064; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-198 Appendix C; exit terminals of mechanical draft and direct-vent systems

Authority: IC 22-13-2-2; IC 22-13-2-13
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 198. Delete APPENDIX C. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-198; filed May 23, 2001, 4:02 p.m.: 24 IR 3064; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-199 Appendix D; recommend procedure for safety inspection of an existing appliance installation

Authority: IC 22-13-2-2; IC 22-13-2-13
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 199. Delete APPENDIX D. (*Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-199; filed May 23, 2001, 4:02 p.m.: 24 IR 3064; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070*)

675 IAC 14-4.2-200 Appendix E; manufactured housing used as dwellings

Authority: IC 22-13-2-2; IC 22-13-2-13
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 200. (a) Change section AE101 to read as follows: These provisions shall be applicable only to a manufactured home or mobile home used as a dwelling unit on privately owned (nonrental) lots and shall apply to the following:

1. Construction or alteration of any foundation system which is necessary to provide for the installation of a manufactured home unit.
2. Construction, installation, addition, or alteration of the building service equipment which is necessary for connecting manufactured homes to water, fuel or power supplies, and sewage systems.
3. Alterations or additions to existing manufactured homes.

The construction, alteration, and use of accessory buildings and structures and their building service equipment shall comply with the applicable requirements of the Indiana One and Two Family Dwelling Code (675 IAC 14).

These provisions shall not be applicable to the design and factory construction of manufactured homes nor shall they be deemed to authorize either modifications or additions to manufactured homes.

(b) Change subsection AE102.1 to read as follows: Manufactured homes and their building service equipment to which additions or alterations are made shall comply with all of the applicable requirements of the Indiana One and Two Family Dwelling Code (675 IAC 14), for new facilities.

(c) Change the title and text of subsection AE102.2 to read as follows: AE102.2 Additions. Additions made to a manufactured home shall conform to the requirements of this code and all other applicable Indiana codes. Additions shall be structurally independent from the manufactured home.

EXCEPTION: Structural independence need not be provided when structural calculations are approved by the building official or when the manufacturer of the manufactured home accepts the structural change that does not provide structural independence.

(d) Add subsection AE102.2.1 to read as follows: AE102.2.1 Alterations. Alterations may be made to any manufactured home or to its building service equipment without requiring the existing manufactured home or its building service equipment to comply with all the requirements of these provisions, provided the alteration or additions conform to that required for new construction, and provided further that no hazard to life, health, or safety will be created by such additions or alterations.

(e) Delete subsection AE102.3 without substitution.

(f) Change subsection AE102.4 to read as follows: The use or occupancy of any manufactured home shall not be changed unless evidence is provided to show compliance with the applicable rules of the Fire Prevention and Building Safety Commission for the new use or occupancy and be released for construction when required by the General Administrative Rules (675 IAC 12).

(g) Delete AE102.5 without substitution.

(h) Change subsection AE301.1 to read as follows: Where required by local ordinance, a manufactured home shall not be installed or altered without first obtaining a permit.

(i) Change the title and text of subsection AE301.2 to read as follows: AE301.2 Additions and alterations to a manufactured home. Where required by local ordinance, a permit shall be obtained to alter, remodel, or add accessory buildings or structures to a manufactured home.

(j) Delete subsection AE301.3 without substitution.

(k) Delete subsection AE301.4 without substitution.

(l) Delete section AE302 without substitution.

(m) Delete section AE303 without substitution.

(n) Delete section AE304 without substitution.

(o) Delete section AE305 without substitution.

(p) Delete section AE306 without substitution.

(q) Delete section AE307 without substitution.

(r) Change section AE402 to read as follows: Manufactured homes and their accessory buildings shall be located on the property in accordance with the applicable sections of the Indiana One and Two Family Dwelling Code (675 IAC 14) and the ordinances of the jurisdiction in which the home is sited.

(s) Change the exception in subsection AE501.1 to read as follows: EXCEPTION: When specifically approved by the building official, foundation and anchoring systems which are constructed in accordance with the methods specified in Section A600 of this code.

(t) Change subsection AE502.5 to read as follows: Provisions shall be made for the control and drainage of surface water away from the manufactured home in accordance with Section 401.3 of this code.

(u) Change subsection AE504 to read as follows: Accessory buildings shall not be structurally supported by, or attached to, a manufactured home unless engineering calculations to substantiate any proposed structural connections are approved by the building official.

(v) Change section AE505 to read as follows: The alteration, replacement, or addition to the building service equipment, other than that required for the initial installation of the manufactured home, shall conform to the regulations set forth in this code.

(w) Delete subsection AE506.2 without substitution.

(x) Change subsection AE507 to read as follows: Alterations made to a manufactured home subsequent to its initial installation shall conform to the occupancy, fire safety, and energy conservation requirements set forth in, or referenced by, the applicable rules

of the Fire Prevention and Building Safety Commission.

(y) Change subsection AE604.3 to read as follows: All anchoring equipment exposed to weathering shall have a resistance to weather deterioration at least equivalent to that provided by a coating of zinc on steel of not less than six hundred twenty-five thousandths (0.625) ounces per square foot on each side of the surface coated. Slit or cut edges of zinc-coated steel strapping do not need to be zinc. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-200; filed May 23, 2001, 4:02 p.m.: 24 IR 3064; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

675 IAC 14-4.2-201 Appendix F; radon control methods

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 201. Delete APPENDIX F. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-201; filed May 23, 2001, 4:02 p.m.: 24 IR 3065; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

675 IAC 14-4.2-202 Appendix G; swimming pools, spas, and hot tubs

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 202. Delete APPENDIX G and substitute to read as follows: See the Indiana Swimming Pool Code (675 IAC 20). *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-202; filed May 23, 2001, 4:02 p.m.: 24 IR 3065; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

675 IAC 14-4.2-203 Appendix H; patio covers

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 203. Delete APPENDIX H. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-203; filed May 23, 2001, 4:02 p.m.: 24 IR 3065; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

675 IAC 14-4.2-204 Appendix I; private sewage disposal

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 204. Delete APPENDIX I. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-204; filed May 23, 2001, 4:02 p.m.: 24 IR 3065; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

675 IAC 14-4.2-205 Appendix J; existing buildings and structures

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 205. Delete APPENDIX J and substitute to read as follows: See the General Administrative Rules (675 IAC 12) and local ordinance. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-205; filed May 23, 2001, 4:02 p.m.: 24 IR 3065; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

675 IAC 14-4.2-206 Appendix K; sound transmission

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 206. Delete Appendix K. *(Fire Prevention and Building Safety Commission; 675 IAC 14-4.2-206; filed May 23, 2001, 4:02 p.m.: 24 IR 3066; errata filed Jun 12, 2001, 2:18 p.m.: 24 IR 3070)*

ARTICLE 15. INDUSTRIALIZED BUILDING SYSTEMS

Rule 1. Special Administrative Rules for Industrialized Building Systems and Mobile Structures

675 IAC 15-1-1 Title; purpose; applicability; availability

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 22-12; IC 22-14; IC 22-15-4-4

Sec. 1. (a) This rule shall be known as Special Administrative Rules for Industrialized Building Systems and Mobile Structures.

(b) The purpose of this rule is to provide a method for a manufacturer of industrialized building systems and mobile structures to obtain a plan review, in-plant inspection, and certification through a centralized regulatory authority, and acceptance of manufactured systems without local inspection. Industrialized building systems and mobile structures, because of the manner of their construction and assembly, may present hazards to the life and safety of persons and to the safety of property unless properly manufactured. Therefore, it is the purpose of this rule to provide protection to the public against these hazards.

(c) This rule applies to all industrialized building systems for use and mobile structures for sale or use in the state of Indiana with the following exceptions:

(1) Manufactured homes as defined in 42 U.S.C. 5402.

(2) Industrialized building systems or mobile structures certified under an agreement made pursuant to IC 22-15-4-4.

(3) Construction trailers.

(d) The rules of the commission shall apply as specified in Table 1A in section 8.1 of this rule. The Indiana seal of acceptance shall be applied as required by this rule in conformance with Table 1A in section 8.1 of this rule.

(e) This rule is available for purchase from the Indiana Fire and Building Services Department, Indiana Government Center-South, 402 West Washington Street, Room E221, Indianapolis, Indiana 46204. (*Fire Prevention and Building Safety Commission; 675 IAC 15-1-1; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1969, eff Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 319; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1010; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 15-1-2 Definitions

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 22-12-1; IC 22-14; IC 25-4; IC 25-31; IC 32-1-6-2

Sec. 2. (a) The definitions in this section apply throughout this rule.

(b) "Addendum" means an addition of information or revisions to a released system plan.

(c) "Building official" means the state building commissioner or officer of a local unit of government empowered by law to administer and enforce building safety rules of the commission.

(d)(1) "Class 1 structure" means any part of the following:

(A) A building or structure that is intended to be or is occupied or otherwise used in any part by any of the following:

(i) The public.

(ii) Three (3) or more tenants.

(iii) One (1) or more persons who act as the employees of another.

(B) A site improvement affecting access by persons with a physical disability to a building or structure described in clause (A).

(2) Subdivision (1)(A) includes a structure that contains three (3) or more condominium units (as defined in IC 32-1-6-2) or other units that:

(A) are intended to be or are used or leased by the owner of the unit; and

(B) are not completely separated from each other by an unimproved space.

(3) Subdivision (1)(A) does not include a building or structure that:

(A) is intended to be or is used only for an agricultural purpose on the land where it is located; and

(B) is not used for retail trade.

(4) Subdivision (1)(A) does not include a Class 2 structure.

(5) Subdivision (1)(A) does not include a vehicular bridge.

(e)(1) "Class 2 structure" means any part of the following:

(A) A building or structure that is intended to contain or contains only one (1) dwelling unit or two (2) dwelling units unless any part of the building or structure is regularly used as a Class 1 structure.

(B) An outbuilding for a structure described in clause (A), such as a garage, barn, or family swimming pool, unless any part of the outbuilding is regularly used as a Class 1 structure.

(2) Subdivision (1) does not include a vehicular bridge.

(f) "Commission" means the fire prevention and building safety commission.

(g) "Commissioner" means the state building commissioner.

(h) "Component" means one (1), or more than one (1), part of a fabricated unit.

(i) "Construction" means the fabrication of any part of an industrialized building system or mobile structure for use at another site.

(j) "Construction trailer" means a building or structure fabricated in an off-site manufacturing facility and sited at a construction site for purposes of tool and material storage related to the project being constructed.

(k) "Design professional" means a registered architect or professional engineer who is registered under IC 25-4 or IC 25-31.

(l) "Industrialized building system" means any part of a building or other structure that is in whole or in substantial part fabricated in an off-site manufacturing facility for installation or assembly at the building site as part of a Class 1 structure, a Class 2 structure, or another building or structure. However, the term does not include a mobile structure or a system that is capable of inspection at the building site.

(m) "Late filing" means the filing of plans, specifications, and other supporting data for design release after construction has begun but prior to the manufacturer's receiving either a system design release, an addendum release, or prototype status for a particular unit or component.

(n) "Manufactured home" means a dwelling unit designed and constructed to the "National Manufactured Housing Construction and Safety Standards Act of 1974" as published by the United States Department of Housing and Urban Development.

(o) "Manufacturer's installation instructions" means instructions for the proper erection, assembly, or installation of the unit or component being produced by the manufacturer.

(p) "Mobile commercial structure" means a mobile structure consisting of two (2) or more single-story units.

(q) "Mobile home" means a dwelling unit of vehicular, portable design built prior to 1974 on a chassis and designed and intended to be moved from one (1) site to another and to be used without a permanent foundation. Indiana regulation of single family mobile homes is preempted by the "National Manufactured Housing Construction and Safety Standards Act of 1974" as published by the United States Department of Housing and Urban Development.

(r) "Mobile residential structure" means a mobile structure consisting of one (1) or more units, additions, or components erected or installed that are not preempted by the HUD "National Manufactured Housing Construction and Safety Standards Act of 1974".

(s) "Mobile structure" means any part of a fabricated unit that is designed to be towed on its own chassis and connected to utilities for year round occupancy or used as a Class 1 structure, a Class 2 structure, or another structure. The term includes two (2) or more components that can be retracted for towing purposes and subsequently expanded for additional capacity, or two (2) or more units that are separately towable but designed to be joined into one (1) integral unit. Whenever any mobile system is placed on a permanent foundation, the mobile system shall be considered an industrialized building system.

(t) "Mobile transitory" means a mobile structure consisting of one (1) single-story unit.

(u) "Modular commercial structure" means a modular structure of one (1) or more units or enclosed panels to be used or occupied as a Class 1 structure or an accessory structure thereto, based upon the number of stories and a specific completed structure configuration.

(v) "Modular residential structure" means a modular structure of one (1) or more units or enclosed panels to be used or occupied as a one (1) or two (2) family dwelling (Class 2 structure) or an accessory structure thereto, based upon the number of stories, not to exceed three (3), and a specific completed structure configuration.

(w) "Modular structure" means an industrialized building system other than a mobile structure intended for placement upon a permanent foundation.

(x) "Panelized construction" means a type of industrialized building system in which enclosed panels for Class 1 or Class 2 structures, fabricated in an off-site manufacturing facility, contain internal components that are not readily inspectable at the building site where they are to be erected, assembled, or installed.

(y) "Permanent foundation" means any structural system capable of transposing loads from a structure to the earth at a depth

below the established frost line without exceeding the safe bearing capacity of the supporting soil.

(z) "Prototype" means an industrialized building system or mobile structure product on which construction is started prior to a design release being issued by the office of the state building commissioner.

(aa) "Quality control manual" means a manual prepared by each manufacturer for its manufacturing plants and released by the office of the state building commissioner.

(bb) "Seal of acceptance" means a seal issued by the office of the state building commissioner relative to an industrialized building system or a mobile structure.

(cc) "Site construction" means the work undertaken to erect, assemble, or install any part or component of an industrialized building system or mobile structure at the site where it will be used or occupied, except the relocation of a mobile structure. Site construction is regulated by the building official.

(dd) "Skid unit" means a single-story, off-site fabricated structure that may or may not be designed to be towed on its own chassis consisting of one (1) or more components designed to the requirements for a mobile structure.

(ee) "System" means an industrialized building system or a mobile structure as set forth by IC 22-12-1.

(ff) "System plan" means the drawings, and/or specifications, and/or structural typical system plans as set forth by subsection (gg), and/or a quality control manual, and/or the manufacturer's installation instructions, submitted to the office of the state building commissioner. A system shall be based on one (1) completed width of structure and the number of stories. Multiple lengths may be included in the system. Submitted lengths may be modified by up to an additional four feet (4') without specification change with prior inspector approval.

(gg) "Structural safety" means the continued capability of load bearing members of a building or structure to transmit actual and design live and dead loads to a foundation or other load bearing members within the allowable working stresses of the materials or assembly of materials involved.

(hh) "Structural/typical system plan" means structural and/or typical details submitted for one (1) or more "system plans" that are to be referenced by those system plans without duplication of submittals. This submittal will be subject to all fees and required forms as a separate system plan.

(ii) "Third party inspection agency" means any qualified person authorized by the commission to conduct inspections of and issue certifications for industrialized building systems and/or mobile structures. (*Fire Prevention and Building Safety Commission; 675 IAC 15-1-2; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1970, eff Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 320; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1010; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 15-1-3 Alternate materials, methods, and designs

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 22-12; IC 22-14

Sec. 3. (a) This section does not authorize a variance from any rule adopted by the commission.

(b) The rules adopted by the commission do not prevent the use of:

- (1) materials;
- (2) methods of construction; or
- (3) design procedures;

if they are not specifically prohibited in the rules and if they are approved under subsection (c) or (e).

(c) The state fire marshal and the state building commissioner may, in the review of an application for a design release, consider as evidence of compliance with the rules adopted by the commission any evaluation report that:

- (1) contains limitations, conditions, or standards for alternative materials, method of construction, or design procedures; and
- (2) is published by an:
 - (A) independent, nationally recognized testing laboratory; or
 - (B) other organization listed in subsection (d).

(d) The following organizations (with their applicable evaluation reports) are approved:

- (1) Factory Mutual Loss Prevention Data Sheets and test reports (FM).
- (2) International Organization for Standardization (ISO) (ISO standards listed by the American National Standards Institute).
- (3) International Electrotechnical Commission (IEC) (IEC standards listed by the American National Standards Institute).
- (4) Japan Industrial Standards (JIS) (which are found to be equivalent to ANSI standards).
- (5) German Institute for Standards (Deutsches Institut für Normung) (DIN) (standards which are found to be equivalent to

ANSI standards).

(6) French Standards Association (AFNOR) (standards which are found to be equivalent to ANSI standards).

(7) Canadian Standards Association (CSA) (which are found to be equivalent to ANSI standards).

(8) BOCA Evaluation Services, Inc., Building Officials and Code Administrators International [*sic.*, *International*] (BOCA) (research reports).

(9) Council of American Building Officials (CABO) (National Evaluation Services (NES) evaluation reports).

(10) ICBO Evaluation Services Inc., International Conference of Building Officials (ICBO) (ICBO Evaluation Service Inc. evaluation reports).

(11) SBCCI Public Safety Testing and Evaluation Services, Inc., Southern Building Code Congress International (SBCCI) (compliance reports).

(12) International Association of Plumbing and Mechanical Officials (IAPMO) (Directory of Research Recommendations).

(e) The state building commissioner may, in the review of an application for a design release, accept as evidence of compliance with the Indiana Building Code, Chapter 11, at 675 IAC 13-2.3-131, similar provisions of the ADA Accessibility Guidelines for Buildings and Facilities included as Appendix A, Standards for Accessible Design, Part 36 Nondiscrimination on the Basis of Disability by Public Accommodations and in Commercial Facilities (28 CFR 36) as published in the Federal Register on July 26, 1991, on pages 35544 through 35691. (*Fire Prevention and Building Safety Commission; 675 IAC 15-1-3; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1971, eff Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 322; filed Mar 17, 1994, 5:00 p.m.: 17 IR 1883; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1013; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 15-1-4 Undefined terms; interpretation of rules (Repealed)

Sec. 4. (*Repealed by Fire Prevention and Building Safety Commission; filed Sep 13, 1988, 2:33 p.m.: 12 IR 334*)

675 IAC 15-1-5 Design release for manufacture; requirements

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 22-12; IC 22-14

Sec. 5. (a) It shall be unlawful for any person, firm, or corporation to commence production of an industrialized building system or mobile structure or cause the same to be done without first obtaining one (1) of the following:

(1) A system design release for manufacture from the office of the state building commissioner.

(2) An addendum release to a previously released system.

(3) Prototype status for the product being produced.

(b) Written notification from the manufacturer of a prototype unit must be made to the office of the state building commissioner ten (10) days prior to the start of the prototype and shall include the following information:

(1) Projected start and finish dates.

(2) Model number.

(3) Serial number.

(4) Production plant location.

(5) Inspection agency.

(c) A representative of the office of the state building commissioner or an authorized third party inspection agency shall inspect each major portion of work on the prototype prior to concealment of that portion.

(d) The manufacturer shall be responsible for making any revisions or corrections to the prototype should the actual construction of the unit be noncompliant with the code.

(e) The prototype shall not be removed from the place of manufacture until a design release has been obtained from the office of the state building commissioner and the Indiana seal of acceptance has been applied to the product in accordance with section 11 of this rule.

(f) When inspections are provided by a representative of the office of the state building commissioner and these inspections require reinspection visits to the facility over and above a single inspection, a reinspection fee will be charged. See fee schedule for reinspection fee. An out-of-state manufacturer of a prototype will be charged for travel as per fee schedule. (*Fire Prevention and Building Safety Commission; 675 IAC 15-1-5; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1972, eff Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 324; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1014; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 15-1-6 Applications

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 22-12; IC 22-14

Sec. 6. (a) To obtain a system design release for manufacture, the applicant shall first file a completed application for system document review which shall be furnished by the office of the state building commissioner. Each such application shall:

- (1) Identify the type of industrialized building system or mobile structure system based on the classification shown in section 8.1, Table 1A of this rule.
- (2) Indicate the use or occupancy.
- (3) Be accompanied by a minimum of two (2) sets of plans, diagrams, computations, specifications, and other data as required by the office of the state building commissioner and as referenced in section 7 of this rule, or a computer disk containing the same information for construction detail, which disk shall be system compatible with the system used by the office of the state building commissioner. Should the system being submitted be constructed in more than one (1) manufacturing facility, an additional set of construction detail documents shall be submitted for each facility.
- (4) Be signed by the manufacturer's representative in each facility producing under that release, and, if utilized, identify the third party inspection agency.
- (5) Be signed by a design professional if the completed structure exceeds thirty thousand (30,000) cubic feet.
- (6) Specify the name, address, and telephone number for the office of the manufacturer and of each facility producing under that release.
- (7) Be accompanied by the applicable fees as set forth by section 22 of this rule.
- (8) Include the quality control manual as set forth by subsection (f).
- (9) Additional information as may be needed to substantiate claims that the proposed construction will comply with the rules of the commission.

(b) System design release shall be evidenced by written notification from the commissioner.

(c) Any additions or revisions to plans, quality control manual, specifications, and manufacturer's installation instructions must be filed as an addendum to an existing system and released by the office of the state building commissioner prior to construction of every new industrialized building system or mobile structure offered for sale or use in the state.

(d) A late filing fee charged by the office of the state building commissioner as shown on the fee schedule in section 22 of this rule shall be imposed when:

- (1) construction work has begun on an industrialized building system or mobile structure prior to the release of the required documentation for its review and release; or
- (2) the manufacturer fails to submit a written request to the office of the commissioner for prototype.

(e) One (1) set of the documents required by subsection (a)(3) is to be stamped as released for closed wall construction and retained by the office of the state building commissioner and one (1) stamped set will be returned to each manufacturing facility identified on the application form as producing units under that system, which shall be maintained at the manufacturing facility at all times for use by the inspecting agency. When a computer disk is used for construction detail, a duplicate disk is to be retained by the office of the state building commissioner, and a disk shall be delivered to the industrialized building systems/mobile structure inspector or the authorized third party inspection agency who shall retain control and responsibility for the disk in a secured location and who shall limit access to only inspectors authorized by the office of the state building commissioner.

(f) The manufacturer shall be responsible for implementation of the quality control program, including any corrective actions necessary. A quality control manual shall be required for each manufacturing facility producing units or components under the release. The manual shall outline the company's program for quality control and compliance assurance within each manufacturing facility, including, but not limited to, the following:

- (1) Location map for the plant.
- (2) A general plant layout diagram indicating the various stations or areas where the units or components are to be produced as well as material storage areas and office or administration areas.
- (3) A general description of the in-plant procedures of quality control, including who is performing the quality control and how routine quality control is performed.
- (4) A general description of what corrective actions are to be taken and who is responsible for the implementation of such corrections.

(5) A general description of testing procedures and equipment used to perform tests in areas such as plumbing and electrical to assure compliance with the released construction documents and the applicable Indiana rules. Also to be included are who performs these tests and at what station or locations the tests are performed.

(6) A sample data plate as described in section 16 of this rule.

(7) A statement certifying that an Indiana seal of acceptance issued by the office of the state building commissioner will not be attached to an industrialized building system or mobile structure that does not conform to the applicable requirements as shown in section 8.1, Table 1A, of this rule.

(Fire Prevention and Building Safety Commission; 675 IAC 15-1-6; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1972, eff Jun 15, 1986; errata, 9 IR 2931; filed Sep 13, 1988, 2:33 p.m.: 12 IR 324; filed Mar 17, 1994, 5:00 p.m.: 17 IR 1885; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1015; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 15-1-7 Plans; specifications; requirements

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 4-21.5-3; IC 22-12-7-7; IC 22-13-2-11; IC 22-14

Sec. 7. (a) Plans, specifications, and other supporting data shall be sufficiently clear and complete to show in detail that the proposed work will comply with the requirements of the rules of the commission. A minimum of two (2) complete sets of documentation for each system as required by section 6 of this rule shall be submitted, and they shall include at least the following:

(1) All the requested documentation and information shall be submitted on a computer disk or organized, indexed, tabbed, and bound in loose leaf binders (eight and one-half (8½) inch by eleven (11) inch format), including addendum information. All binders shall bear the manufacturer's name on the front and the bound edge. NOTE: A maximum of six (6) addenda may be made to a system before the system plans must be resubmitted.

(2) All plans and specifications shall indicate the manufacturer's name, office address, and name and address of each manufacturing facility listed to build the approved system.

(3) Dimensioned floor plans, drawn to scale, with room identification.

(4) Wall elevations of all exterior walls.

(5) Cross sections and details of walls, floors, and roof construction showing dimensions and materials.

(6) Structural plans and elevations showing size and location of all structural members, truss designs, and frames (where applicable) showing connection details, and all stress calculations if specifically requested, to insure structural safety. Structural and/or typical details for more than one (1) system may be referenced by the systems without duplication. A separate structural typical submission will be subject to all fees and required forms as a system, see structural typical system plans definition, as set forth by section 2(hh) of this rule.

(7) Details showing how required structural and fire-resistive integrity are maintained where wall, floor, and ceiling penetrations are made for electrical, plumbing, and communication systems, as required.

(8) Room finish schedule showing finishes for walls, ceilings, and floors in all rooms, stairways, and corridors.

(9) Door schedule showing material, size, thickness, hardware, and fire rating for all doors, if required.

(10) Window schedule including light, vent, egress, safety glazing, and hardware information, where applicable.

(11) Construction specifications. (May be on design drawings.)

(12) Electrical plans, diagrams, details of electrical service equipment.

(13) Plumbing plans showing fixture location, risers, drains, and piping isometrics, including sizes and materials.

(14) Mechanical plans showing location and sizes of equipment and sizes and material of ducts.

(15) Energy conservation design criteria, including exterior envelope component materials, "U" values of the envelope system, "R" values of insulation materials, size and type of apparatus, and equipment and system controls.

(16) Accessibility for persons with a physical disability, including access to the building, any interior ramps with slope dimensions, restroom layouts showing clearances, grab bars, door swings, and door sizes.

(17) Fire protection systems, including automatic sprinklers, fire pumps, detection and alarm systems, emergency power, and communication systems.

(18) Additional information as may be needed to substantiate claims that the proposed construction will comply with the rules of the commission.

A design professional shall be required to verify all Class 1 structures if the completed structure exceeds thirty thousand (30,000) cubic feet, including the attic space, and may be required by the office of the state building commissioner to certify engineered

components as may be needed to substantiate claims that the proposed construction will comply with the rules of the commission.

(b) The office of the state building commissioner shall consider applications for design releases and plans and specifications filed under this rule in conjunction with the office of the state fire marshal and the following:

(1) No design release shall be issued unless:

(A) section 6 of this rule has been complied with by the applicant; and

(B) the plans and specifications submitted with the application have been reviewed by the office of the state building commissioner for compliance with the rules of the commission;

(C) the plans and specifications submitted with the application have been presented to the office of the state fire marshal and approved in writing by the office of the state fire marshal.

(2) Subsequent to the filing of an application, the applicant may be requested to submit additional information or documents to place the application in compliance with section 6 of this rule or to modify the plans and specifications in order to place them in compliance with the rules of the commission. If the applicant has not done so within thirty (30) days following the date of request, the design release shall be subject to denial by the state building commissioner.

(3) The order granting or denying a design release shall be issued by the office of the state building commissioner following the requirements of IC 4-21.5-3-4. If a petition for review is subsequently granted under IC 4-21.5-3-7, the resulting administrative proceeding shall be conducted by the commission.

(4) Prior to the issuance of an order by the office of the state building commissioner under subdivision (3), a meeting between the executive director of the department, the state building commissioner, and the state fire marshal may be called by the executive director of the department:

(A) upon request of the state building commissioner or the state fire marshal, if the state building commissioner and the state fire marshal cannot agree on the issuance of a design release; or

(B) upon request of the applicant for the design release, if the office of the state building commissioner and the office of the state fire marshal have not acted to issue or deny the design release within a reasonable time after the application is submitted to the office.

(5) At a meeting called under subdivision (4), the executive director of the department, the state building commissioner, and the state fire marshal shall review the application for a design release and shall, by majority vote, issue a final decision. Said order shall be issued following the requirements of IC 4-21.5-3-4 and shall eliminate the need for an order to be issued under subdivision (3). If a petition for review is subsequently granted under IC 4-21.5-3-7, the resulting administrative proceeding shall be conducted by the commission.

(c) An applicant may request consultation with representatives of the office of the state building commissioner and the office of the state fire marshal for the purpose of resolving questions on the application of the rules of the commission with regard to a specific design release. The results of any such consultations shall not be binding on said offices in the consideration of an application for a design release and in no way serve as a substitute for the authority of the commission to grant variances pursuant to IC 22-13-2-11.

(d) Submitted construction documents shall be reviewed in detail by the office of the state building commissioner for compliance with the rules of the commission. However, such review will not relieve the manufacturer of the responsibility to conform with all applicable Indiana rules in the design and manufacture of the industrialized building system or mobile structure.

(e) In order to facilitate the issuance of design releases when the plan review process finds omissions or items contrary to the rules of the commission, but which will not impact overall safety, conditional design releases may be issued without the need for further or corrected plans and specifications being filed. Such conditions shall be binding unless a petition for review is filed under subsection (b).

(f) All design, specification, or construction process changes that affect a released system shall be filed by the manufacturer in the same manner as required for filing an application for release for manufacture. Additions or revisions to the construction details, the structural/typical system plan, the quality control manual, or the manufacturer's installation instructions may be submitted to the office of the commissioner as an addendum to an existing system. A maximum of six (6) addenda may be made to a system plan before the system plan must be resubmitted. An addendum shall include any pertinent information as described is *[sic., in]* section 6(a) of this rule. (See "System plans" or "Addendum" in section 2 of this rule.)

EXCEPTIONS: (1) A total length of up to four (4) feet may be added to, or deleted from, a released system floor plan without necessitating resubmittal and release. This change may be made anywhere within the floor plan provided all other applicable code requirements are met and such changes in length are addressed within the released manufacturer's installation instructions. Among these code requirements are the minimum for natural light, natural ventilation, and emergency egress

requirements as well as established minimum room sizes.

(2) Plumbing fixtures and bathrooms may be deleted from a released floor plan without necessitating resubmittal and release, provided the minimum code requirements are met by the resulting floor plan configuration.

(g) A system design release from the office of the state building commissioner shall be valid for production of units in the plant facilities described on the application so long as the following conditions are met:

(1) The released documentation accurately describes both the processes being utilized and the product being constructed.

(2) The applicable rules as set out in section 8.1, Table 1A, of this rule have not been updated.

(h) The following are requirements concerning sanctions:

(1) Under IC 22-12-7-7, the state building commissioner may impose a sanction concerning any type of design release previously issued. Available sanctions are revocation, suspension, censure, reprimand, and probation.

(2) The state building commissioner may impose an appropriate sanction whenever one (1) or more of the following exist:

(A) The state building commissioner determines that the design release was obtained by fraudulent or misleading statements or information including information on plans and specifications.

(B) Circumstances have materially changed since a design release was granted so that if the sanction is not imposed, public health, safety, or welfare will be adversely affected.

(C) The construction done subsequent to the issuance of the design release is contrary to the rules of the commission.

(D) A check paying an applicable fee is returned, for any reason.

(E) The design release was issued in error, on the basis of incorrect information, or in violation of a rule of the commission or a building law.

(3) The order imposing a sanction shall be issued under the requirements of IC 4-21.5-3-6. If a petition for review is subsequently granted under IC 4-21.5-3-7, the resulting administrative proceeding shall be conducted by the commission.

(Fire Prevention and Building Safety Commission; 675 IAC 15-1-7; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1972, eff Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 325; filed Mar 17, 1994, 5:00 p.m.: 17 IR 1885; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1016; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 15-1-8 Table No. 1A (Repealed)

Sec. 8. *(Repealed by Fire Prevention and Building Safety Commission; filed Sep 13, 1988, 2:33 p.m.: 12 IR 334)*

675 IAC 15-1-8.1 Table No. 1A

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 22-12; IC 22-14

Sec. 8.1. Table No. 1A. This table provides for the applicable codes for the design and construction of industrialized buildings and mobile structures.

- Indiana Building Code (675 IAC 13)
- Indiana Building Code (675 IAC 13) accessibility chapter
- Indiana One & Two Family Dwelling Code (675 IAC 14)
- Indiana Plumbing Code (675 IAC 16)
- Indiana Electrical Code (675 IAC 17)
- Indiana Mechanical Code (675 IAC 18)
- Indiana Energy Conservation Code (675 IAC 19)
- Indiana Mobile Structures Code (675 [675 IAC 15])

TABLE NO. 1A
TOPICS OF REGULATION

TYPE OF INDUSTRIALIZED BUILDING SYSTEM OR MOBILE STRUCTURE	OCCUPANCY	EXITING	STRUCTURAL	ELECTRICAL	PLUMBING	MECHANICAL	ENERGY	SEAL OF ACCEPTANCE	HANDICAPPED ACCESSIBILITY

FIRE PREVENTION AND BUILDING SAFETY COMMISSION

MODULAR STRUCTURE–RESIDENTIAL (1), (5), (6) one or two family detached dwelling	Indiana 1 & 2 Family Dwelling Code (3)	Indiana (3) 1 & 2 Family Dwelling Code	Indiana 1 & 2 Family Dwelling Code	Indiana Energy Conservation Code	Modular	No Requirements			
MODULAR STRUCTURE–COMMERCIAL (5) All other than modular system residential	Indiana Building Code	Indiana Building Code	Indiana Building Code	Indiana Electrical Code	Indiana Plumbing Code	Indiana Mechanical Code	Indiana Energy Conservation Code	Modular (1)	Indiana Accessibility Code
MOBILE STRUCTURE–RESIDENTIAL All other than HUD Manufactured Homes	Indiana Mobile Structures Code	Indiana Mobile Structures Code	Indiana Mobile Structures Code	Indiana (4) Mobile Structures Code	Mobile	No Requirements			
MOBILE STRUCTURE–COMMERCIAL (Multiple Components) All other than mobile system residential	Indiana Building Code	Indiana Building Code	Indiana Mobile Structures Code	Indiana Electrical Code	Indiana Plumbing Code	Indiana Mechanical Code	Indiana Energy Conservation Code	Mobile	Indiana Accessibility
MOBILE STRUCTURE–COMMERCIAL TRANSITORY (Single Components)	Indiana Mobile Structures Code	Indiana (2) Mobile Structures Code	Indiana Mobile Structures Code	Indiana (4) Mobile Structures Code	Mobile	No Requirements			

- (1) Townhouse units are [*sic., are*] Class 1 structures but are subject to the requirements of the Indiana One and Two Family Code.
 (2) Mobile structure commercial transitory plumbing system shall conform to the Indiana Plumbing Code when the installation of any single type of fixture (toilet, lavatory, etc.) exceeds one.
 (3) Indiana Plumbing Code and Indiana Electrical Code may be used in lieu of the plumbing and electrical sections, respectively of Indiana 1 & 2 Family Dwelling Code.
 (4) Indiana Energy Code may be used in lieu of the Indiana Mobile Structures Code for energy requirements.
 (5) Closed construction, panelized commercial construction shall be subject to the same regulations as a modular structure-commercial.
 (6) Closed construction, panelized residential [*sic., residential*] construction shall be subject to the same regulations as a modular structure-residential.
(Fire Prevention and Building Safety Commission; 675 IAC 15-1-8.1; filed Sep 13, 1988, 2:33 p.m.: 12 IR 327; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1018; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 15-1-9 Reciprocity; agreements with other states (Repealed)

Sec. 9. *(Repealed by Fire Prevention and Building Safety Commission; filed Sep 13, 1988, 2:33 p.m.: 12 IR 334)*

675 IAC 15-1-10 Enforcement; scope

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2
 Affected: IC 4-21.5; IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 25-4; IC 25-31

Sec. 10. (a) No industrialized building system or mobile structure may be offered for sale or used within the state of Indiana without an Indiana seal of acceptance affixed to it. The office of the state building commissioner shall administer and enforce the rules of the commission for the design and construction of all industrialized building systems and mobile structures.

(b) Work performed at the project site relative to the permanent erection, assembly, or installation of industrialized building systems or mobile structures shall be subject to inspection and approval by the local building official. Inspection at the site by the local building official shall be limited to construction performed at the site.

(c) A mobile structure shall be installed in accordance with the manufacturer’s installation instructions, or, where not available, the installation shall be approved by a design professional registered in Indiana.

(d) Third party inspection agencies authorized under section 19 of this rule may be utilized in lieu of the office of the state building commissioner for in-plant inspection. The office of the state building commissioner shall monitor the performance of such third party inspection agencies as necessary. *(Fire Prevention and Building Safety Commission; 675 IAC 15-1-10; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1975, eff Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 329; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1019; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 15-1-11 Issuance of seal acceptance

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 4-21.5-3-4; IC 4-21.5-3-7; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 11. (a) Upon application and release of the plans and specifications, the seal of acceptance will be available for purchase by the company manufacturing the unit from the office of the state building commissioner for each unit offered for sale or used in the state of Indiana. The seal of acceptance shall be forwarded to the industrialized building system/mobile structure inspector or the authorized third party inspection agency who shall retain control and responsibility for each seal in a secured location with access limited to inspectors authorized by the office of the state building commissioner until such time as the unit for which that seal is to be assigned has been inspected and found in compliance. The inspector shall perform an inspection of at least one (1) portion of each unit for sale or use in Indiana in order that such units be qualified for a seal.

(b) Prior to departure from the manufacturing facility, a seal of acceptance shall be affixed to each completed and approved industrialized building system or mobile structure unit, as applicable. It shall be affixed to the electrical service panel door or, for units which contain no electrical service panel, in another approved location as indicated in the system plan. A monthly record of used seal numbers shall be supplied to the office of the state building commissioner by each manufacturer on a form acceptable to the office.

(c) Fees for inspection services as set forth by section 22 of this rule shall accompany each application for a seal of acceptance. The seal of acceptance shall not be obtained from any source other than the office of the state building commissioner. Application forms shall be furnished by the office of the state building commissioner.

(d) All industrialized building systems or mobile structures bearing the seal of acceptance shall be conclusively deemed to comply with the requirements of all ordinances and regulations of any local government which are applicable to such structures. If a seal of acceptance becomes mutilated or damaged, replacement may be furnished upon presentation of the damaged seal to the office of the state building commissioner. Seals of acceptance unaccounted for are not replaceable, and a written explanation of the loss shall be forwarded by the owner or manufacturer of the unit to the office of the state building commissioner.

(e) When an industrialized building system or mobile structure is found to be in noncompliance, all noncompliance items shall be corrected before the seal of acceptance can be applied. If the noncompliance is of such magnitude that immediate correction cannot be made, a STOP WORK or VIOLATION-DO NOT MOVE notice, as applicable, may be posted on the system by the inspector, as stated in section 13 of this rule. If the seal of acceptance has been applied, it may be removed and destroyed by the inspector and the manufacturer shall be notified immediately. If a new seal is required, it shall be purchased and assigned to the unit after noncompliance items have been corrected.

(f) All construction materials and equipment in stock which are to be used by the manufacturer in the construction of industrialized building systems or mobile structures may be inspected periodically, without notice, with results of such inspection recorded in the same manner as regular inspection of the systems.

(g) The office of the state building commissioner or an authorized third party agency shall inspect a phase of construction of every industrialized building system or mobile structure. Labeling and delivery records from each manufacturing facility seeking inspection and labeling shall be reviewed in order to verify the adequacy of the quality control, construction, and inspection programs.

(h) The manufacturer shall certify in an affidavit that a seal provided by the office of the state building commissioner will not be attached to an industrialized building system or a mobile structure that does not conform to the requirements adopted by the commission in its rules.

(i) The order granting or denying the issuance of a seal shall be issued by the office of the state building commissioner following the requirements of IC 4-21.5-3-4. If a petition for review is subsequently granted under IC 4-21.5-3-7, the resulting administrative proceeding shall be conducted by the commission.

(j) Substitution of any seal of acceptance in lieu of the Indiana seal of acceptance on units or components to be used within Indiana shall be grounds for sanction against the inspector and or the manufacturer.

(k) Any unused Indiana seals purchased by a company that no longer manufactures industrialized building systems or mobile structures shall be returned to the office of the state building commissioner. (*Fire Prevention and Building Safety Commission; 675 IAC 15-1-11; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1975, eff Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 329; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1019; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 15-1-12 Inspections; travel expenses; sanctions

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 4-21.5-3-6; IC 4-21.5-3-7; IC 22-12-7-7; IC 22-13; IC 22-14; IC 22-15

Sec. 12. (a) An inspection frequency other than that required by section 11 of this rule will depend upon the adequacy of the manufacturer's quality control program. The office of the state building commissioner or authorized third party inspection agency will consider the quality control procedure in establishing a specific inspection procedure for each manufacturer. If the office of the state building commissioner determines that the inspection frequency does not provide adequate control, the office may place the manufacturer on provisional status requiring increased inspection of units in production to a more frequent level to assure compliance with the rules of the commission. This provisional status shall continue until such time as the manufacturer demonstrates capability to comply with the rules of the commission as determined by the office of the state building commissioner. Fees for additional inspections under a provisional status performed by the office of the state building commissioner shall be charged as "reinspections" under the fee schedule (section 22 of this rule).

(b) Representatives of the office of the state building commissioner may travel for any purpose relative to enforcement of this rule. Manufacturers shall reimburse the office of the state building commissioner for actual expenses incurred per the fee schedule (section 22 of this rule).

(c)(1) Under IC 22-12-7-7, the state building commissioner may impose a sanction concerning any seal of acceptance previously issued. Available sanctions are revocation, suspension, censure, reprimand, and probation.

(2) The order imposing a sanction shall be issued under the requirements of IC 4-21.5-3-6. If a petition for review is subsequently granted under IC 4-21.5-3-7, the resulting administrative proceeding shall be conducted by the commission. (*Fire Prevention and Building Safety Commission; 675 IAC 15-1-12; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1976, eff Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 330; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1020; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 15-1-13 Stop work

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 13. (a) Whenever any work is found to be in noncompliance to the rules of the commission, or whenever satisfactory progress is not being made in correcting work ordered by the office of the state building commissioner or the authorized third party agency, the office of the state building commissioner or any authorized third party authority can order the work stopped on the portion deemed to be in violation by posting a "STOP WORK" or "VIOLATION-DO NOT MOVE" notice on the affected industrialized building system or mobile structure.

(b) No person, firm, or corporation shall continue any work on a stopped project, or portion thereof, other than corrective work ordered by the office of the state building commissioner or an authorized third party agency.

(c) No person shall remove, obscure, or mutilate a posted "NOTICE" as stated in this section. "Notice" shall only be removed by authorized personnel of the office of the state building commissioner. (*Fire Prevention and Building Safety Commission; 675 IAC 15-1-13; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1976, eff Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 330; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1020; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 15-1-14 Right of entry

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 14. No person or firm manufacturing industrialized building systems or mobile structures shall prevent the office of the state building commissioner or its authorized representative from conducting announced or unannounced inspections at any reasonable hour. (*Fire Prevention and Building Safety Commission; 675 IAC 15-1-14; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1976, eff Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 331; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1021; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 15-1-15 Insurance (Repealed)

Sec. 15. (Repealed by Fire Prevention and Building Safety Commission; filed Sep 13, 1988, 2:33 p.m.: 12 IR 334)

675 IAC 15-1-16 Manufacturer's data plate

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 16. The manufacturer's data plate shall be installed on each completed industrialized building system or mobile structure in a permanent manner near the main electrical panel or other approved location as identified in the system plan. The following information shall appear on an approximate four (4) inch by six (6) inch data plate with contrasting lettering:

- (1) The manufacturer's name and address, and that of the manufacturing point of origin, if different.
- (2) Serial number and model number of the industrialized building system or mobile structure and date the production was completed.
- (3) Electrical system: amperage of the panel; current cycle, and phase, number of circuits, and voltage.
- (4) Capacities and fuel used for the water heater, furnace, and air conditioner, if applicable.
- (5) Pressure at which the potable water and DWV plumbing system was tested.
- (6) Roof, floor, seismic, and wind loads (lbs./sq. ft.) design requirements.
- (7) Titles of building codes used for design and construction.
- (8) Reference to the directions to be used for assembling two (2) or more units which shall be furnished with the industrialized building system or mobile structure.
- (9) Energy conservation and accessibility requirements as applicable.
- (10) Identification of inspection authority, to include state and third party identification number.
- (11) Special instructions.

No additional information other than the above shall be allowed on the data plate. Additional information may be provided on separate attachment. (*Fire Prevention and Building Safety Commission; 675 IAC 15-1-16; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1976, eff. Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 331; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1021; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 15-1-17 Relationships; state, manufacturers, third parties

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 17. (a) If a manufacturer wishes to change inspection agency from the office of the state building commissioner to an authorized third party inspection agency, the office of the state building commissioner shall be advised accordingly in writing at least ten (10) working days prior to such change with the effective date of change stated by the manufacturer. Immediately upon the change taking place, information from the manufacturer shall be provided to the office of the state building commissioner to include the date and serial number of the last unit or component inspected by the departing inspector and the date and serial number of the first unit or component to be inspected by the incoming inspector. The office of the state building commissioner shall then withdraw its assigned personnel, and said facility shall become the responsibility of the third party agency subject to periodic unannounced monitoring/inspection by the office of the state building commissioner.

(b) If a manufacturer wishes to change inspection agency from a third party inspection agency to the office of the state building commissioner, the manufacturer shall advise the office of the state building commissioner by at least ten (10) working days prior to the termination of the third party agency with the effective date of the change. Immediately upon the change taking place, the office of the state building commissioner and the third party agency shall be advised accordingly in writing by the manufacturer with the following information:

- (1) Listing of all system plans affected.
- (2) Manufacturing facilities involved, and serial number of the last unit inspected by the departing inspector, and the first unit by the incoming inspector.
- (3) Assurance that affected system plans are the property of the manufacturer and that construction will continue without deviation.
- (4) Statement that, should deviation occur, the manufacturer shall accept full responsibility without recourse or cause against the former third party agency.

(5) Copy of the termination notification to the third party agency.

Upon receipt of the information requested, the office of the state building commissioner will commence inspection duties as required.

(c) All third party inspection agencies shall be approved by the commission and shall receive written confirmation of such approval by the commission prior to their assumption of duties. The third party agency shall thereafter become responsible to conduct inspections to determine the manufacturer's conformance of the manufacturer's product to the rules of the commission. Every manufacturer that utilizes the services of a third party inspection agency shall be responsible for providing access for that agency to all approved submission documents from the office of the state building commissioner relative to each industrialized building system or mobile structure being inspected. (*Fire Prevention and Building Safety Commission; 675 IAC 15-1-17; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1977, eff Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 331; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1021; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 15-1-18 Failure of completed industrialized building systems to comply (Repealed)

Sec. 18. (*Repealed by Fire Prevention and Building Safety Commission; filed Sep 13, 1988, 2:33 p.m.: 12 IR 334*)

675 IAC 15-1-19 Third party inspection agency authorization; application

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 4-21.5-3-4; IC 4-21.5-3-7; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 19. (a) A third party inspection agency may make application to the commission requesting authorization to provide their services in Indiana as follows:

(1) Applications shall be submitted in writing no later than thirty (30) days prior to a commission meeting and shall be accompanied by a check made payable to the fire and building services department in the amount of the fee prescribed in the fee schedule (section 22 of this rule).

(2) The following information, where applicable, shall be submitted by the applicant to assist in evaluating possible conflicts of interest:

(A) The names, addresses, and business affiliations of the management personnel.

(B) Any information the commission may request regarding related financial interests.

(C) A design professional shall hold a position of authority within the applicant's organization. For the applicant to be considered qualified to preempt local inspection on industrialized building systems or mobile structures, the applicant must be neither affiliated with, nor influenced nor controlled by any building manufacturer, vendor, or other supplier of products or equipment used in industrialized building systems or mobile structure systems, in any manner which might affect his or her capacity to render reports of the findings objectively and without bias.

(D) A third party inspection agency may be judged free of such affiliation, influence, and control if it meets the following conditions:

(i) Has no managerial affiliation with building manufacturers, producers, suppliers, vendors of products or equipment used in industrialized building systems or mobile structures, and is not engaged in the sale or promotion of any such product or material.

(ii) The results of its work accrue no financial benefits to the applicant via stock ownership, and the like, of any producers, suppliers, or vendors of the products involved. Standard published fees paid for services rendered are exempted.

(iii) Its directors or other management personnel receive no stock option or other financial benefit from any building manufacturer, producer, supplier, vendor of products or equipment used in industrialized building systems or mobile structures. Standard published fees paid for services rendered are exempted.

(iv) The employment security status of its personnel is free of influence or control by any building manufacturer, producer, supplier, or vendor of products or equipment used in industrialized building systems or mobile structures.

(3) The following information shall be submitted and maintained in a current status to assist in the evaluation of qualifications:

(A) Name(s), years of experience, other states in which registered, and other pertinent qualifications.

(B) An organization table of management and supervisory personnel.

(C) Names and qualifications of any individuals serving on advisory panels that assist the applicant in its policy making

with relation to the public interest.

(D) Names of manufacturers with whom the applicant has had experience in inspection/evaluation. Give the number of years of experience the applicant has had with each.

(E) Names of all architects, engineers, technicians, and other personnel who are not employees of the applicant, but who have supervisory and/or contractual relationships with him; outline for each service provided.

(b) If changes occur to the information submitted by the third party inspection agency for evaluation of qualifications as described at subsections (a)(2) and (a)(3) of this section [subsection (a)(2) and (a)(3)], the third party inspection agency shall notify the office of the state building commissioner within ten (10) working days of the change.

(c) The order granting or not granting the application shall be issued following the requirements of IC 4-21.5-3-4. If a petition for review is subsequently granted under IC 4-21.5-3-7, that order shall be deemed merely to have been a preliminary determination.

(d) A representative of an authorized third party shall be required to attend meetings as directed by the office of the state building commissioner.

(e) A third party inspection agency shall renew annually the third party application to the commission requesting authorization to provide their services in Indiana annually as set forth in subsection (a).

(f) Any third party inspection is authorized to provide inspection services as set forth by subsection [section] 10(d) of this rule for a period of one (1) year. (*Fire Prevention and Building Safety Commission; 675 IAC 15-1-19; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1977, eff Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 332; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1022; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 15-1-20 Third party inspection agency utilization

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 20. (a) In the event a manufacturer elects to utilize the services of a third party inspection agency, the manufacturing facility shall then be placed under the responsibility of the third party subject to periodic unannounced monitoring by the office of the state building commissioner.

(b) Should a manufacturer determine to change for any reason from one (1) third party agency to another, the manufacturer shall provide written notice to the commissioner of its intent and shall follow the same requirements as set forth in section 17 of this rule. (*Fire Prevention and Building Safety Commission; 675 IAC 15-1-20; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1978, eff Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 333; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1023; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 15-1-21 Sanctions concerning third party inspection agency authorizations

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2

Affected: IC 4-21.5-3-6; IC 4-21.5-3-7; IC 4-21.5-4; IC 22-12-7-6; IC 22-13; IC 22-14; IC 22-15

Sec. 21. (a) The commission may impose a sanction concerning an authorization of any third party inspection agency that it has previously issued under section 19 of this rule. Available sanctions are revocation, suspension, censure, reprimand, and probation.

(b) The state building commissioner and individuals affected by the authorization are encouraged to submit information to the commission concerning the desirability of the imposition of such a sanction. Any such information shall be reviewed by the commission's staff and shall be placed on the commission's agenda only upon the discretion of staff or the request of a member of the commission.

(c) The commission may impose an appropriate sanction whenever one (1) or more of the following exist:

(1) It determines that the authorization was obtained by the applicant by fraudulent or misleading statements or information.

(2) That circumstances have materially changed since an authorization was issued so that, if the sanction is not imposed, public health, safety, or welfare will be adversely affected.

(d) The order imposing a sanction shall be issued under the requirements of IC 4-21.5-3-6. If a petition for review is subsequently granted under IC 4-21.5-3-7, that order shall be deemed to have been merely a preliminary determination.

(e) Sanctions under this section may be imposed under IC 22-12-7-6 and IC 4-21.5-4 where appropriate. (*Fire Prevention and Building Safety Commission; 675 IAC 15-1-21; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1979, eff Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 333; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1023; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 15-1-22 Fees

Authority: IC 22-13-2-2; IC 22-13-2-13; IC 22-13-4-2
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 22. (a) The design release fees for manufacture shall be as follows:

(1) System plan review:	
(A) filing fee	\$30
(B) residential, add-a-room or duplex	\$320 ¹
(C) commercial	\$505 ²
(2) System plan review (late filing):	
(A) filing fee	\$55
(B) residential, add-a-room or duplex	\$525
(C) commercial	\$552
(3) Addenda:	
(A) filing fee	\$30
(B) residential, add-a-room or duplex	\$85 ¹
(C) commercial	\$105 ²
(4) Addenda (late filing):	
(A) filing fee	\$55
(B) residential, add-a-room or duplex	\$140
(C) commercial	\$165

Notes:

¹Includes only the original floor plan. A fifty dollar (\$50) fee is charged for each additional floor plan. Crawl space or basement plans are considered to be floor plans.

²Includes not more than two (2) module units as a completed structure. A fifty dollar (\$50) fee is charged for each additional module unit.

(b) The system prototype inspection fees (without a design release) shall be as follows:

(1) First module unit	\$70
(2) Second module unit	\$85
(3) Third module unit and each additional module unit thereafter	\$105

For the purposes of this subsection, "module unit" means a structure, or other entity, regarded as an elementary structural or functional constituent of a whole industrialized building system or mobile structure.

(c) The third party inspection authorization fees shall be as follows:

(1) Original application for Indiana third party inspection authorization (if the original application for authorization is not granted, three hundred dollars (\$300) of the fee will be refunded)	\$830
(2) Yearly third party inspection renewal	\$550

(d) Indiana seal of acceptance fees shall be as follows:

(1) All applications for the Indiana seal of acceptance shall be accompanied by the proper fee which includes in-state inspection and monitoring.	
(2) Indiana seal of acceptance	\$65 per seal

(e) Fees for travel shall be as follows:

(1) In-state or out-of-state reinspection	\$45 per hour
(2) Out-of-state inspection or monitoring	\$45 per hour plus the actual expense incurred for the purpose of inspection or monitoring
(3) Mileage for out-of-state inspection/reinspection or monitoring from base station	\$0.28 per mile

to inspection site and return

(Fire Prevention and Building Safety Commission; 675 IAC 15-1-22; filed Mar 25, 1986, 1:44 p.m.: 9 IR 1979, eff Jun 15, 1986; filed Sep 13, 1988, 2:33 p.m.: 12 IR 319; filed Dec 22, 1988, 3:50 p.m.: 12 IR 1207; filed Sep 27, 1989, 4:30 p.m.: 13 IR 295; filed Apr 22, 1996, 3:00 p.m.: 19 IR 2288; filed Dec 11, 2000, 2:15 p.m.: 24 IR 1023; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Apr 16, 2002, 9:05 a.m.: 25 IR 2734)

675 IAC 15-1-23 Third party inspection authorization fees (Repealed)

Sec. 23. (Repealed by Fire Prevention and Building Safety Commission; filed Dec 22, 1988, 3:50 p.m.: 12 IR 1208)

Rule 2. Indiana Mobile Structures Code

675 IAC 15-2-1 Title, classification, availability, and applicability of rule

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 1. (a) This rule (675 IAC 15-2) shall be known as the Indiana Mobile Structures Code and is classified as a building safety standard. Wherever the term “this code” is used throughout this rule (675 IAC 15-2) it shall mean the Indiana mobile structures code (675 IAC 15-2).

(b) This rule (675 IAC 15-2) is available for purchase from the Indiana Department of Fire Prevention and Building Safety, 1099 North Meridian Street, Suite 900, Indianapolis, Indiana 46204.

(c) The application of this rule (675 IAC 15-2) shall be as required by Table 1A (675 IAC 15-1-8 [675 IAC 15-1-8 was repealed filed Sep 13, 1988, 2:33 p.m.: 12 IR 334. See 675 IAC 15-1-8.1.]). *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-1; filed Mar 25, 1986, 1:44 pm: 9 IR 1979, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-2 Definitions

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 2. The following definitions are common to all sections of this rule (675 IAC 15-2). Additional definitions, applicable to the individual sections, are contained in each section.

“Add-a-room” means a mobile structure of one or more rooms intended to be added to an existing dwelling unit.

“Center” means the midpoint between the right and left side of a mobile structure.

“Certified” means “listed” as defined herein.

“Combustible material” means materials made of, or surfaced with, wood, compressed paper, plant fibers, or other material that will ignite and burn. These materials shall be considered as combustible even though flameproofed, fire-retardant treated, or plastered.

“Dwelling unit” means a single unit providing complete independent living facilities for one or more persons including permanent provisions for living, sleeping, eating, cooking and sanitation.

“Labeled” means equipment or materials to which has been attached a label, symbol or other identifying mark of a nationally recognized testing laboratory, inspection agency, or other organization concerned with product evaluation that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling is indicated compliance with nationally recognized standards or tests to determine suitable usage in a specified manner.

“Length” means the distance measured from the tip of the coupler to the part farthest to the rear.

“Listed” means equipment or materials included in a list published by a nationally recognized testing laboratory, inspection agency, or other organization concerned with product evaluation that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets nationally recognized standards or has been tested and found suitable for use in a specified manner.

“Manufactured home construction and safety standard” means standard for the construction, design and performance of a manufactured home. This standard is set forth in the Code of Federal Regulations, Title 24, Part 3280, 3282, 3283, and 42 USC 5401. ET SEQ, as mandated in the United States of America and as administrated by the United States Department of Housing and Urban

Development.

“Mobile structure” means a factory assembled structure or structures equipped with the necessary service connections and made so as to be readily movable as a unit or units on its (their) own running gear and designed to be with or without a permanent foundation. Mobile structure does not include manufactured homes.

The phrase “without a permanent foundation” indicates that the support system is constructed with the intent that the mobile structure placed thereon will be moved from time to time at the convenience of the owner.

“Mobile system commercial” means a mobile structure for commercial use consisting of multi-wide configuration of units.

“Mobile system commercial transitory” means a mobile structure for commercial use consisting of a single wide configuration. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-2; filed Mar 25, 1986, 1:44 pm: 9 IR 1979, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-3 Source of design and construction standards

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 3. Much of the material in 675 IAC 15-2-3–675 IAC 15-2-31 has been taken from, or is based on, nationally recognized standards for construction. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-3; filed Mar 25, 1986, 1:44 pm: 9 IR 1980, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-4 Scope of design and construction standards

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 4. (a) The provisions of 675 IAC 15-2-3–675 IAC 15-2-31 cover the minimum requirements for materials, products, equipment and workmanship needed to assure that the mobile structure will provide (1) the structural strength and rigidity, (2) the protection against corrosion, decay, insects and other similar destructive forces, (3) reasonable protection against the hazards of fire and windstorm, (4) resistance to the elements and (5) durability and economy of maintenance for its intended use.

(b) Wherever other rules of the commission and the provisions of 675 IAC 15-2-3–675 IAC 15-2-31 differ, the requirements of the latter shall apply. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-4; filed Mar 25, 1986, 1:44 pm: 9 IR 1980, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-5 Basic principles of design and construction

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 5. The following principles are given as basic goals in the construction of mobile structures, which also serve as guidelines for the understanding of the provisions of 675 IAC 15-2-3–675 IAC 15-2-31. These principles serve to define the intent of the provisions of 675 IAC 15-2-3–675 IAC 15-2-31 when considerations arise which are not covered in the balance of the text.

Principle No. 1. To provide safe, healthful facilities.

Principle No. 2. To provide structural strength and rigidity sufficient for design loads, both in transit and on site.

Principle No. 3. To provide adequate running gear and coupling for safe transportation of the mobile structure.

Principle No. 4. To provide equipment designed and installed for safety of operation, ease of service, and adequate for the intended use.

Principle No. 5. To provide installed materials of adequate specification to resist deterioration.

Principle No. 6. To provide against the entrance of water and winds at all joints, connections, and openings in exterior surfaces.

Principle No. 7. To provide arrangement of habitable spaces for health and safety. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-5; filed Mar 25, 1986, 1:44 pm: 9 IR 1980, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-6 Definitions for design and construction

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 6. The following definitions are applicable to 675 IAC 15-2-3–675 IAC 15-2-31.

“Dead load” means the weight of all permanent construction including walls, floors, roofs, partitions, and fixed service equipment.

“Diagonal tie” means any tiedown designed to resist lateral or shear forces and which may secondarily resist uplift and overturning forces.

“Gross floor area” means all space, wall to wall, including recess entries and areas under built-in vanities and similar furniture. Where ceiling height is less than that specified in 675 IAC 15-2-22, the floor area under such ceilings shall not be included.

“Ground anchor” means any device at the mobile structure site designed for the purpose of securing a mobile structure to the ground.

“Habitable room” means a room or enclosed floor space arranged for living, eating, food preparation, or sleeping purposes (not including bathrooms, toilet compartments, laundries, pantries, foyers, hallways, and other accessory floor spaces).

“Interior finish” means the surface material of walls, fixed or movable partitions, ceilings and other exposed interior surfaces affixed to the mobile structure including any material such as paint. Interior finish does not include decorations or furnishings which are not affixed to the mobile structure.

“Live load” means the weight superimposed by the use and occupancy of the mobile structure including wind load and snow load, but not including dead load.

“Tiedown” means any device designed for the purpose to anchor a mobile structure to ground anchors.

“Wind load” means the lateral or vertical pressure or uplift on the mobile structure due to wind blowing in any direction. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-6; filed Mar 25, 1986, 1:44 pm; 9 IR 1981, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-7 General design and construction requirements

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 7. (a) Minimum requirements. The design and construction of a mobile structure shall conform to the provisions of this code. For any size, weight, or quality of material modified by the terms of “minimum”, “not less than”, “at least”, and similar expressions are minimum standards. The manufacturer or installer may exceed these requirements provided such deviation does not result in any inferior installation or defeat the purpose and intent of this code.

(b) Construction. All construction methods shall be in conformance with accepted engineering practices to insure durable, usable, and safe structure. Exposed metal structural members shall be protected to resist corrosion.

(c) Structural analysis. The strength and rigidity of the component parts and the integrated structure shall be determined by engineering analysis or by suitable load tests to simulate the actual loads and conditions that occur on site.

(d) Structural requirements. Each mobile structure shall be designed and constructed as a completely integrated structure capable of sustaining the design load requirements of this structure and shall be capable of transmitting these loads to stabilizing devices without causing an unsafe deformation or abnormal internal movement of the structure or its structural parts.

(e) Allowable design stress. The design stresses of all materials shall conform to accepted engineering practice. The use of materials not identified as to strength or stress grade shall be limited to the minimum allowable stresses under accepted engineering practice. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-7; filed Mar 25, 1986, 1:44 pm; 9 IR 1981, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-8 Design dead loads

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 8. Design dead loads shall be the actual dead load supported by the structural assembly under consideration. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-8; filed Mar 25, 1986, 1:44 pm; 9 IR 1982, eff Jun 15, 1986; readopted*

675 IAC 15-2-11 Fastening of structural systems

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 11. Roof framing shall be securely fastened to wall framing, walls to floor structure, and floor structure to chassis, to secure and maintain continuity between the roof and floor and chassis, so as to resist wind overturning and sliding as imposed by design loads in 675 IAC 15-2-10(b). Directions for anchorage shall accompany all mobile structures. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-11; filed Mar 25, 1986, 1:44 pm: 9 IR 1983, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-12 Walls

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 12. (a) The walls shall be of sufficient strength to withstand the load requirements as defined in 675 IAC 15-2-10 without exceeding the deflections as specified in 675 IAC 15-2-14. The connections between the bearing walls, floors, and roof framework members shall be fabricated in such a manner as to provide support for the material used to enclose the mobile structure and to provide for transfer of all lateral and vertical loads to the floor and chassis.

(b) Drilling or Notching of Wood Wall Structural Members. Except where substantiated by engineering design, studs shall not be notched or drilled in the middle one-third (1/3) of their length.

(c) Interior Walls. Interior walls shall be constructed with structural capacity adequate for the intended purpose and shall be capable of resisting a horizontal load of not less than five (5) pounds per square foot.

(d) Firestopping. Firestopping shall be provided in mobile structures to cut off all concealed draft openings in all stud walls and partitions, including furred spaces, so placed that the maximum vertical dimension of any concealed space is not over ten feet (10'). (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-12; filed Mar 25, 1986, 1:44 pm: 9 IR 1983, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-13 Floors

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 13. (a) Floor assemblies shall be designed in accordance with accepted engineering practice to support a minimum uniform live load of forty (40) pounds per square foot plus the dead load of the materials. In addition (but not simultaneously), floors shall be able to support a two hundred (200) pound concentrated load on a two inch (2") diameter disc at the most critical location with a maximum deflection not to exceed one-eighth inch (1/8") relative to floor framing. Perimeter joists of more than six inches (6") depth shall be stabilized against overturning from superimposed loads as follows: at ends by solid blocking not less than two inch (2") thickness by full depth of joist, or by connecting to a continuous header not less than two inch (2") thickness and not less than the depth of the joist with connecting device; at eight feet (8') maximum intermediate spacing by solid blocking or by wood cross-bridging of not less than one inch (1") by three inches (3"), approved metal cross-bridging or by other approved methods.

(b) Wood floors or subfloors in kitchens, bathrooms (including toilet compartments), laundry rooms, water heater compartments, and any other areas subject to excessive moisture shall be moisture resistant or shall be made moisture resistant by sealing or by an overlay of nonabsorbent material applied with water-resistant adhesive.

(c) Carpeting shall not be used under a heat-producing appliance unless the appliance is listed for such use.

(d) Drilling or Notching of Wood Joist Structural Members. Except where substantiated by engineering design, notches on the ends of joists shall not exceed one-fourth (1/4) the joist depth. Holes bored in joists shall not be within two inches (2") of the top or bottom of the joist, and the diameter of any such hole shall not exceed one-third (1/3) the depth of the joist. Notches in the top or bottom of the joists shall not exceed one-sixth (1/6) the depth and shall not be located in the middle third of the span. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-13; filed Mar 25, 1986, 1:44 pm: 9 IR 1984, eff Jun 15, 1986; errata, 9 IR 2931; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-14 Design load deflection

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 14. When a structural assembly is subjected to total design live loads, the deflection for structural framing members shall not exceed the following:

Floor	L/240
Roof and Ceiling	L/180
Headers, Beams, Girders	L/180 (Vertical Loads Only)

Where L = the clear span between supports or two times the length of a cantilever.

(Fire Prevention and Building Safety Commission; 675 IAC 15-2-14; filed Mar 25, 1986, 1:44 pm: 9 IR 1984, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)

675 IAC 15-2-15 Structural load tests

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 15. Structural assemblies or subassemblies that are tested shall sustain the design dead load plus the superimposed design live load equal to 1.75 times the required live load for a period of twelve (12) hours without failure, unless otherwise specified herein. Failure shall be considered rupture, fracture or residual deflection which is greater than the limits set in 675 IAC 15-2-14. An assembly or subassembly to be tested shall be representative of the minimum quality of materials of the group of assemblies or subassemblies as ordinarily manufactured. Each test assembly, component or subassembly shall be identified as to type and quality or grade of material. Structural load tests or other tests based on nationally recognized standards may be approved. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-15; filed Mar 25, 1986, 1:44 pm: 9 IR 1984, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-16 Weather resistance

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 16. Exterior covering shall be of moisture and weather resistive materials attached with corrosion resistant fasteners to resist wind and rain. Metal coverings shall be of corrosion resistant materials. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-16; filed Mar 25, 1986, 1:44 pm: 9 IR 1985, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-17 Condensation resistance for residential systems

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 17. Spaces within outside walls and ceilings shall be ventilated and/or shall be provided with corrosion resistant vapor type barriers on the warm side of the walls and ceilings or other means shall be used to avoid condensation with these spaces. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-17; filed Mar 25, 1986, 1:44 pm: 9 IR 1985, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-18 Interior walls, partitions, and ceilings

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 18. The interior finish of rooms and hallways (not serving as an exit for an occupancy load of thirty (30) or more), enclosures for furnaces and water heaters (including doors) shall be of materials whose flame spread classification shall not exceed two hundred (200).

EXCEPTION: Moldings, trim, cabinets, splash panels and doors that close openings that do not exceed twenty-one (21) square

feet.

(Fire Prevention and Building Safety Commission; 675 IAC 15-2-18; filed Mar 25, 1986, 1:44 pm: 9 IR 1985, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)

675 IAC 15-2-19 Rodent resistance

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 19. Exterior surfaces shall be sealed to resist the entrance of rodents. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-19; filed Mar 25, 1986, 1:44 pm: 9 IR 1985, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-20 Heat loss; mobile system

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 20. (a) The total calculated heat loss of the unit at the outdoor design temperature shall not exceed forty (40) Btu/hour/square feet of the total floor area or 275 Btu/hour/lineal foot of the perimeter of the space to be heated to 70° F, whichever is greater. The minimum total resistance value (R), excluding framing, windows and doors shall not be less than:

Wall	11.0
Ceiling	19.0
Floor	10.0

(b) "R" values and "U" factors shall be calculated as outlined in the latest edition of the Indiana Energy Conservation Code (675 IAC 19).

(c) Framing Heat Loss. In the absence of specific data, for the purpose of heat loss calculations, the following framing areas shall be assumed:

Wall	20% of net wall area
Ceiling	5% of total ceiling area
Floor	10% of net floor area

(d) Infiltration Heat Loss. Infiltration heat loss shall be determined as outlined in the Indiana Energy Conservation Code (675 IAC 19).

Outside Design Temperature Degrees F	Infiltration Allowance Btu/hr
40	3330
30	4440
20	5550
10	6660
0	7770
minus 10	8880
minus 20	9990
minus 30	11100
minus 40	12210

(e) Duct Heat Loss. The supply duct heat loss shall be calculated separately using the actual duct surface area and the actual thickness of insulation between the duct and outside of the mobile structure. If there is an air space of one-half inch (1/2") or less, the heat duct shall be assumed in contact with the insulation. If there is an air space of over one-half inch (1/2") between the duct and the insulation, no special heat loss need be calculated if the cavity in which the duct is located is assumed to be at 70° F. The average temperature inside the supply duct shall be assumed to be at least 130° F for the purpose of calculation.

(f) The wall, roof and floor assembly R values are typical and are not intended to be all inclusive. Other assemblies may be used provided documentation is submitted indicating overall equivalent thermal transmittance for the structure. Such documentation shall be consistent with accepted engineering practice. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-20; filed Mar 25, 1986, 1:44 pm: 9 IR 1985, eff Jun 15, 1986; filed Sep 19, 1986, 9:15 am: 10 IR 236; readopted filed Nov 29, 2001, 12:21*

p.m.: 25 IR 1306)

675 IAC 15-2-21 Design considerations

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 21. Light and Ventilation. Adequate provisions shall be made for light and ventilation in accordance with the following:

(a) Occupied Rooms. Occupied rooms shall be provided with exterior windows or doors having a total glazed area of not less than eight percent (8%) of the gross floor area. An area equivalent to not less than four percent (4%) of the gross floor area shall be available for unobstructed ventilation. Glazed areas need not be openable where a mechanical ventilation system is provided and is capable of producing a change of air in the room(s) every thirty (30) minutes with not less than one-fifth (1/5) of the air supply taken from outside the mobile structure.

EXCEPTIONS: 1. Mechanical ventilation may be used for commercial applications when the ventilation is a minimum of five (5) cubic feet per minute or fifteen (15) cubic feet per minute, per occupant.

2. Kitchens may be provided with artificial light and mechanical ventilation capable of producing a change of air in the room every thirty (30) minutes. Windows and doors used for light or ventilation shall open directly to the outside of the structure.

3. Adequate artificial light may be provided in commercial structures.

(b) Toilet Compartments. Each toilet compartment shall be provided with artificial light and, be provided with external windows or doors having not less than one and one-half (1 1/2) square feet of fully openable glazed area, except where a mechanical ventilation system is provided capable of producing a change of air every fifteen (15) minutes. Any mechanical ventilation system shall exhaust directly to the outside of the mobile structure. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-21; filed Mar 25, 1986, 1:44 pm: 9 IR 1985, eff Jun 15, 1986; filed Sep 19, 1986, 9:15 am: 10 IR 237; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-22 Ceiling height

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 22. Every habitable room shall have a minimum ceiling height of not less than seven feet (7') in at least fifty percent (50%) of its required area with no portion of the required area less than five feet (5') in height. Hallways shall have a minimum ceiling height of six feet and six inches (6' 6"). (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-22; filed Mar 25, 1986, 1:44 pm: 9 IR 1986, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-23 Exits

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 23. (a) Mobile System–Commercial Structures shall conform to the Indiana Building Code (675 IAC 13-2 [*675 IAC 13-2 was repealed filed Feb 15, 1989, 5:00 p.m.: 12 IR 1552, eff Apr 3, 1989.*]) for exiting, and to the Indiana Handicapped Accessibility Code (675 IAC 13-4 [*675 IAC 13-4 was repealed filed Dec 15, 1989, 5:05 p.m.: 13 IR 896.*]).

(b) Mobile homes shall have a minimum of two exterior doors located remote from each other and so arranged as to provide a means of unobstructed travel to the outside of the mobile structure.

(c) Exterior doors shall be constructed for exterior use and in no case provide less than a twenty-eight inch (28") wide clear opening. Each swinging exterior door shall have a key-operated lock that has a deadlocking latch. A deadlock with a passage set installed below the deadlock may be used as an acceptable alternate for each exterior door. The locking mechanism of the lock shall be engaged or disengaged by the use of a lever, knob, button, handle, or other device from which egress is to be made when the mobile structure is occupied. Locks shall not require the use of a key for operation from the inside.

(d) Interior Privacy. Each mobile structure interior door, when provided with a privacy lock, shall have a privacy lock that has an emergency release on the outside to permit entry when lock has been locked by a locking knob, button, or other locking device on the inside.

(e) Interior Passage. Interior doors having passage hardware without a privacy lock, or with a privacy lock not engaged, shall

open from either side by a single movement of the hardware mechanism in any direction. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-23; filed Mar 25, 1986, 1:44 pm; 9 IR 1986, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-24 Room and hallway sizes

Authority: IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 24. (a) Every mobile structure used for living or sleeping purposes shall have at least one habitable room with not less than one hundred fifty (150) square feet of gross floor area. Rooms designed for sleeping purposes shall have a minimum gross square foot floor area as follows:

One Person	50
Two persons	70
Each person in excess of two	50

(b) No habitable room, except a kitchen, shall be less than five feet (5') in any clear horizontal dimension.

(c) Each toilet compartment shall be a minimum of thirty inches (30") in width and have at least twenty-one inches (21") of clear space in front of each toilet.

(d) Hallways shall have a minimum horizontal dimension of twenty-eight inches (28"). *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-24; filed Mar 25, 1986, 1:44 pm; 9 IR 1986, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-25 Glass and glazed openings

Authority: IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 25. Glass and glazed openings shall conform to the Indiana Building Code (675 IAC 13-2 [675 IAC 13-2 was repealed filed Feb 15, 1989, 5:00 p.m.: 12 IR 1552, eff Apr 3, 1989.]). *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-25; filed Mar 25, 1986, 1:44 pm; 9 IR 1987, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-26 Smoke detectors

Authority: IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 26. At least one (1) listed smoke detector (which may be a single station alarm device) shall be installed in each mobile structure containing habitable room(s).

NOTE: A "smoke detector" is a device which detects visible or invisible particles of combustion. A single station alarm device is an assembly incorporating a detector and an alarm sounding device in one unit.

Detectors shall operate from an AC, or combination AC/battery power source. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-26; filed Mar 25, 1986, 1:44 pm; 9 IR 1987, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-27 Smoke detector locations

Authority: IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 27. Smoke detector(s) shall be located outside of bedrooms, in a hallway or space communicating thereto, on or near the ceiling and shall be installed in accordance with the manufacturer's instructions. Mobile structures having bedrooms separated by any one or combination of common use areas, such as kitchen, dining room, living room, or family room (but not bathroom or utility room), shall have at least two (2) detectors. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-27; filed Mar 25, 1986, 1:44 pm; 9 IR 1987, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-28 Alarm sounding devices

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 28. (a) Every smoke-detecting device shall cause the operation of an alarm signaling device or devices which shall be clearly audible in all bedrooms with all intervening doors closed.

(b) All alarm sounding devices shall be rated not less than eighty-five (85) decibels at ten feet (10'). (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-28; filed Mar 25, 1986, 1:44 pm; 9 IR 1987, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-29 Detector trouble signals

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 29. Detectors shall have an audible trouble signal on failure of the light source, but such failure shall not cause an alarm. Audible trouble signals shall be designed to operate at least every minute for seven consecutive days. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-29; filed Mar 25, 1986, 1:44 pm; 9 IR 1987, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-30 Testing detectors

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 30. The mobile structure manufacturer shall provide instructions supplied by the device manufacturer for the periodic testing of the detector(s). (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-30; filed Mar 25, 1986, 1:44 pm; 9 IR 1987, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-31 In-transit design requirements

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 31. (a) Scope. This section covers the general requirements for designing the mobile chassis to fully withstand the adverse effect of transportation shock and vibration without degradation of the integrated structure or of its component parts and the specific requirements pertaining to the transportation system and its relationship to the structure.

(b) Definitions. "Chassis" means the entire transportation system comprising the following subsystems: drawbar and coupling mechanism, frame, running gear assembly and lights.

"Drawbar and Coupling Mechanism" means the rigid assembly (usually an "A" frame), upon which is mounted a coupling mechanism, which connects the mobile structure's frame to the towing vehicle.

"Frame" means the fabricated rigid substructure which provides considerable support to the affixed mobile structure both during transport and on-site; and also provides a platform for securement of the running gear assembly, and drawbar and coupling mechanism.

"Running Gear Assembly" means the subsystem consisting of suspension springs, axles, bearings, wheels, hubs, tires, and brakes, with their related hardware.

"Highway," includes all roads and streets to be legally used in transporting the mobile structure.

"Length," for purposes of transportation only, means the distance from the extreme front of the mobile structure to the extreme rear, including the drawbar and coupling mechanism, but not including expandable features that do not project from the body during transportation.

(c) General requirements for designing the structure to withstand transportation shock and vibration.

The cumulative effects of highway transportation shock and vibration upon a mobile structure may result in incremental degradation of its designed performance in terms of providing a safe, healthy and durable structure. Therefore, the mobile structure shall be designed, in terms of its structural, plumbing, mechanical and electrical systems, to fully withstand such transportation forces

during its intended life.

Particular attention shall be given to maintaining watertight integrity and conserving energy by assuring that structural components in the roof and walls (and their interfaces with vents, windows, doors, etc.) are capable of resisting highway shock and vibration forces during primary and subsequent secondary transportation moves.

In place of an engineering analysis, either of the following may be accepted:

- (1) documented technical data of suitable highway tests which were conducted to simulate transportation loads and conditions;
- or
- (2) acceptable documented evidence of actual transportation experience which meets the intent of this section.
- (d) Specific requirements for designing the transportation system.

General. The entire system (frame, drawbar and coupling mechanism, running gear assembly, and lights) shall be designed and constructed as an integrated, balanced and durable unit which is safe and suitable for its specified use during the intended life of the mobile structure. In operation, the transportation system (supporting the mobile structure and its contents) shall effectively respond to the control of the towing vehicle in terms of tracking and braking, while traveling at applicable highway speeds and in normal highway traffic conditions.

Specific requirements. The drawbar shall be constructed of sufficient strength, rigidity and durability to safely withstand those dynamic forces experienced during highway transportation. It shall be securely fastened to the mobile structure frame by either a continuous weld or by bolting.

The coupling mechanism (which is usually of the socket type) shall be securely fastened to the drawbar in such a manner as to assure safe and effective transfer of the maximum loads, including dynamic loads, between the mobile structure and the hitch-assembly of the towing vehicle. The coupling shall be equipped with a manually operated mechanism so adapted as to prevent disengagement of the unit while in operation. The coupling shall be so designed that it can be disconnected regardless of the angle of the mobile structure to the towing vehicle. With the mobile structure parked on level ground, the center of the socket of the coupler shall not be less than twenty inches (20") nor more than twenty-six inches (26") from ground level.

The chassis, in conjunction with the mobile structure, shall be designed and constructed to effectively sustain the designed loads consisting of the dead load plus a minimum of three (3) pounds per square foot floor load (example: free-standing range, refrigerator, and loose furniture), and the superimposed dynamic load resulting from highway movement but shall not be required to exceed twice the dead load. The integrated design shall be capable of insuring rigidity and structural integrity of the complete mobile structure and to insure against deformation of structural or finish members during the intended life of the structure.

The running gear assembly, as part of the chassis, shall be designed to perform, as a balanced system, in order to effectively sustain the designed loads set forth in this section and to provide for durable dependable safe mobility of the mobile structure. It shall be designed to accept shock and vibration, both from the highway and the towing vehicle and effectively dampen these forces so as to protect the mobile structure from damage and fatigue. Its components shall be designed to facilitate routine maintenance, inspection and replacement.

Location of the running gear assembly shall be determined by documented engineering analysis, taking into account the gross weight (including all contents), total length of the mobile structure, the necessary coupling hitch weight, span distance, and turning radius. The coupling weight shall not be less than twelve percent (12%) nor more than twenty-five percent (25%) of the gross weight.

Spring assemblies (springs, hangers, shackles, bushings and mounting bolts) shall be capable of withstanding all the design loads as outlined in this section without exceeding maximum allowable stresses for design spring assembly life as recommended by the spring assembly manufacturer. The capacity of the spring system shall assure, that under maximum operating load conditions, sufficient clearance shall be maintained between the tire and mobile structure frame or structure to permit unimpeded wheel movement and for changing tires.

Axles, and their connecting hardware, shall be capable of withstanding all of the design loads outlined in this section without exceeding maximum allowable stresses for design axle life as recommended by the axle manufacturer. The number of axles required to provide a safe tow and good ride characteristics shall be determined and documented by engineering analysis. Those alternatives listed in this section may be accepted in place of such an analysis.

Hubs and bearings shall meet the requirements of this section and good engineering practice. Both of these components shall be accessible for inspection, routine maintenance and replacement of parts.

Tires, wheels and rims shall meet the requirements of this section. Tires shall be selected for anticipated usage.

The number, type, size and design of brake assemblies required to assist the towing vehicle in providing effective control and stopping of the mobile structure shall be determined and documented by engineering analysis. Those alternatives listed in this section may be accepted in place of such an analysis.

Brakes on the towing vehicle and the mobile structure shall be capable of assuring that the maximum stopping distance from an initial velocity of twenty (20) miles per hour does not exceed forty feet (40').

Highway safety electrical lights and associated wiring shall conform to applicable federal requirements in terms of location and performance. The manufacturer shall have the option of meeting this requirement by utilizing a temporary light/wiring harness provided by the mobile structure transportation carrier. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-31; filed Mar 25, 1986, 1:44 pm; 9 IR 1987, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-32 Scope of plumbing standards

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 32. (a) The provisions of 675 IAC 15-2-32–675 IAC 15-2-70 cover the plumbing materials, fixtures, fittings and equipment installed within or on mobile structures.

(b) Wherever the rules of the commission or other nationally recognized standards for plumbing materials, fixtures, fittings and equipment and the provisions of 675 IAC 15-2-32–675 IAC 15-2-70 differ, the requirements of the latter shall apply. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-32; filed Mar 25, 1986, 1:44 pm; 9 IR 1989, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-33 Basic principles of plumbing standards

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 33. The following principles are given as basic goals in environmental sanitation, worthy of accomplishment through properly designed, acceptably installed, and adequately maintained plumbing systems. The results desired and necessary to protect the health of the public are the same everywhere. Furthermore, as unforeseen situations arise that are not specifically covered in this part, the principles may serve to define the intent.

Principle No. 1. Plumbing fixtures, devices, and appurtenances shall be supplied with water in sufficient volume and at pressures adequate to enable them to function satisfactorily and without undue noise under all normal conditions of use.

Principle No. 2. Plumbing shall be designed and adjusted to use the minimum quantity of water consistent with proper performance and cleaning.

Principle No. 3. Devices for heating and storing water shall be so designed and installed as to prevent dangers from contamination or explosion through overheating.

Principle No. 4. Plumbing fixtures shall be made of smooth non-absorbent material, shall be free from concealed surfaces that may foul and shall be located in ventilated enclosures.

Principle No. 5. The plumbing system shall be of durable material, free from defective workmanship, and so designed and constructed as to give satisfactory service for its reasonable life expectancy.

Principle No. 6. Each fixture directly connected to the drainage system shall be installed with a water seal trap.

Principle No. 7. The drainage system shall be designed to provide an adequate circulation of air in all piping with no danger of siphonage, aspiration, or forcing of trap seals under conditions of ordinary use.

Principle No. 8. The plumbing system shall be subjected to tests that will effectively disclose all leaks and defects in the work, which must then be repaired.

Principle No. 9. Toilets shall not be located in a room or compartment that is not properly lighted and ventilated.

Principle No. 10. All plumbing fixtures shall be so installed with regard to spacing as to be reasonably accessible for their intended use. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-33; filed Mar 25, 1986, 1:44 pm; 9 IR 1989, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-34 Definitions for plumbing standards

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 34. The following definitions are applicable to the provisions of 675 IAC 15-2-32–675 IAC 15-2-70:

“Air gap (water distribution system)” means the unobstructed vertical distance through the free atmosphere between the lowest opening from any pipe or faucet supplying water to a tank, plumbing fixture, water supplied appliance, or other device and the flood level rim of the receptacle.

“Anti-siphon trap vent device” means a device which automatically opens to admit air to a fixture drain above the connection of the trap arm so as to prevent siphonage, and closes tightly when the pressure within the drainage system is equal to or greater than atmospheric pressure so as to prevent the escape of gases from the drainage system into the mobile structure.

“Backflow” means the flow of water or other liquids, mixtures, or substances into the distributing pipes of a potable supply of water from any source or sources other than its intended sources.

“Backflow connection” means any arrangement whereby backflow can occur.

“Backflow preventer” means a device or means to prevent backflow.

“Branch” means any part of the piping system other than a riser, main or stack.

“Common vent” means a vent connecting at the junction of fixture drains and serving as a vent for more than one (1) fixture.

“Continuous vent” means a vertical vent that is a continuation of the drain to which it connects.

“Continuous waste” means a drain from two (2) or more fixtures connected to a single trap.

“Critical level” means the C-L or C/L marking on a backflow prevention device or vacuum breaker is a point established by the testing laboratory (usually stamped on the device by the manufacturer) which determines the minimum elevation above the flood level rim of the fixture or receptacle served on which the device may be installed. When a backflow prevention device does not bear a critical level marking, the bottom of the vacuum breaker, combination valve, or of any such approved or listed device shall constitute the critical level.

“Cross connection” means any physical connection or arrangement between two (2) otherwise separate systems or sources, one of which contains potable water and the other either water, steam, gas, chemical or unknown or questionable materials whereby there may be a flow from one (1) system or source to the other, the direction of flow depending on the pressure differential between the two (2) systems.

“Developed length” means that length of pipe measured along the center line of the pipe and fittings.

“Diameter” means the nominal (inside) diameter designated commercially, unless specifically stated otherwise.

“Drain” means a pipe that carries waste, water, or water-borne wastes in a drainage system.

“Drain connector” means the removable extension, consisting of all pipes, fittings and appurtenances, from the drain outlet to the drain inlet serving the mobile structure.

“Drain outlet” means the lowest end of the main or secondary drain to which a sewer connection is made.

“Drainage system” means all piping within or attached to the structure that conveys sewage or other liquid waste to the drain outlet, not including the drain connector.

“Fixture drain” means the drain from the trap of a fixture to the junction of that drain with any other drain pipe.

“Fixture supply” means the water supply pipe connecting a fixture to a branch water supply pipe or directly to a main water supply pipe.

“Flood level” means the level in the receptacle over which water would overflow to the outside of the receptacle.

“Flooded” means the condition which results when the liquid in a container or receptacle rises to the flood-level.

“Flush tank” means that portion of a toilet that is designed to contain sufficient water to adequately flush the fixture.

“Flush valve” means a device located at the bottom of a flush tank for flushing a toilet.

“Flushometer valve” means a device which discharges a predetermined quantity of water to a fixture for flushing purposes and is closed by direct water pressure.

“Grade” means the fall (slope) of a pipe in reference to a horizontal plane expressed in inches per foot length.

“Horizontal branch” means a drain pipe extending laterally, which receives the discharge from one or more fixture drains and connects to the main drain.

“Horizontal pipe” means any pipe or fitting which makes an angle of more than forty-five degrees (45°) with the vertical.

“Individual vent” means a pipe or anti-siphon trap vent device installed to vent a fixture drain.

“Inlet coupling” means the terminal end of the water system to which the water service connection is attached. It may be a swivel fitting or threaded pipe end.

“Main” means the principal artery of the system to which branches may be connected.

“Main drain” means the lowest pipe of a drainage system which receives sewage from all the fixtures within a mobile structure and conducts these wastes to the drain outlet.

“Main vent” means the principal artery of the venting system to which vent branches may be connected.

“Offset” means a combination of pipe and/or fittings that brings one section of the pipe out of line but into a line parallel with the other section.

“Pitch”. (See “grade”.)

“Plumbing fixtures” means receptacles, devices, or appliances which are supplied with water or which receive liquid-borne wastes for discharge into the drainage system.

“Plumbing system” includes the water supply and distribution pipes; plumbing fixture and traps; soil, waste, and vent pipes; and water-treating or water using equipment.

“Primary vent”. (See “main vent”.)

“Relief vent” means an auxiliary vent which permits additional circulation of air in or between drainage and vent systems.

“Secondary vent” means any vent other than the main vent or those serving each toilet.

“Sewage” means any liquid waste containing animal or vegetable matter in suspension or solution, and may include liquids containing chemicals in solution.

“Siphonage” means the loss of water seal from fixture traps resulting from partial vacuum in the drainage system which may be of either of the following two types, or a combination of the two: (a) Self-siphonage resulting from vacuum in a fixture drain generated solely by the discharge of the fixture served by that drain, or, (b) induced siphonage resulting from vacuum in the drainage system generated by the discharge of one (1) or more fixtures other than the one under observation.

“Toilet–mechanical seal” means a toilet fitted with water-flushing device and mechanically sealed trap.

“Toilet–recirculating chemical” means a self-contained, circulating toilet in which the waste is chemically treated.

“Trap” means a fitting or device designed and constructed to provide a liquid seal that will prevent the back passage of air without materially affecting the flow of liquid waste through it.

“Trap arm” means that portion of a fixture drain between a trap and its vent.

“Vacuum breaker”. (See “backflow preventer”.)

“Vent caps” means a device or fitting which protects the vent pipe from foreign substances with an opening to the atmosphere equal to the area of the vent it serves.

“Vent system” means that part of a piping installation which provides circulation of air within a drainage system.

“Vertical pipe” means any pipe or fitting which makes an angle of forty-five degrees (45°) or less with the vertical.

“Water connection” means the fitting or point of connection for the mobile structure water distribution system designed for connection to a water supply.

“Water connector” means the removable extension connecting the mobile structure distribution system to the water supply.

“Water distribution system” means the potable water piping within or permanently attached to the mobile structure.

“Wet vent” means a vent which also serves as a drain for one or more fixtures.

“Wet vent drainage system” means a specially designed system of drain piping that also vents one or more plumbing fixtures by means of a common waste and vent pipe. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-34; filed Mar 25, 1986, 1:44 pm; 9 IR 1990, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-35 General plumbing requirements

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 35. (a) Minimum Requirements. Any plumbing system installed in a mobile structure shall conform, at least, with the provisions of this section. Requirements for any size, weight, or quality of material modified by the terms “minimum”, “not less than”, “at least”, and similar expressions are “minimum standards”.

(b) Connection to Drainage System. All plumbing, fixtures, drains, appurtenances, and appliances designed or used to receive or discharge liquid waste or sewage shall be connected to the mobile structure drainage system in a manner provided by this code.

(c) Workmanship. All design, construction, and workmanship shall be in conformance with accepted engineering practices and shall be of such character as to secure the results sought to be obtained by this code.

(d) Components. Plumbing materials, devices, fixtures, fittings, equipment, appliances, and accessories intended for use in or attached to a mobile structure shall be listed or certified by an approved listing agency.

(e) Prohibited fittings and practices are as follows:

(1) Drainage or vent piping shall not be drilled and tapped for the purpose of making connections.

(2) Except as specifically provided elsewhere in this code, vent pipes shall not be used as waste or drain pipes.

(3) Fittings, connections, devices, or methods of installation that obstruct or retard the flow of sewage, or air in the drainage or venting systems in an amount greater than the normal frictional resistance to flow shall not be used unless their use is acceptable in this code or their use is approved as having a desirable and acceptable function of ultimate benefit to the proper and continued functioning of the plumbing system.

(4) Cracks, holes, or other imperfections in materials shall not be concealed by welding, brazing, or soldering or by paint, wax, tar, or other leak-sealing or repairing agents.

(5) Piping, fixtures or equipment shall be located so as not to interfere with the normal use or with the normal operation and use of windows, doors or other required facilities.

(6) Galvanized pipe shall not be bent or welded.

(f) Alignment of Fittings. All valves, pipes, and fittings shall be installed in correct relationship to the direction of flows. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-35; filed Mar 25, 1986, 1:44 pm: 9 IR 1991, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-36 Protection of plumbing system

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 36. (a) Cutting Structural Members. Structural members shall not be unnecessarily or carelessly weakened by cutting or notching.

NOTE: See 675 IAC 15-2-12(b) and 675 IAC 15-2-13(d).

(b) Exposed Piping. All piping, pipe threads, hangers, and supports exposed to the weather, water, mud, and road hazard, and subject to damage therefrom, shall be painted, coated, wrapped, or otherwise protected from deterioration.

(c) Road Damage. Pipes, supports, drains, outlets, or drain hoses shall be insulated or protected to prevent freezing, under normal occupancy.

(d) Rodent Resistance. All exterior openings around piping and equipment shall be sealed to resist the entrance of rodents. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-36; filed Mar 25, 1986, 1:44 pm: 9 IR 1992, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-37 Material standards

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 37. (a) Minimum Standards. Materials, fixtures, or devices used or entering into the construction of plumbing systems in any mobile structure shall be free from defects and shall conform to approved standards.

(b) Specific Usage. Each of the following sections indicates specifically the type of material presently permitted for use in the various parts of the plumbing system. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-37; filed Mar 25, 1986, 1:44 pm: 9 IR 1992, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-38 Joints and connections

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 38. Tightness. Joints and connections in the plumbing system shall be gastight and watertight for the pressures required under testing procedures.

(a) Assembling of Pipe. All joints and connections shall be correctly assembled for tightness. Pipe threads shall be fully engaged with the threads of the fitting. Plastic pipe and copper tubing shall be inserted to the full depth of the solder cup or welding sockets of each fitting. Pipe threads and slip joints shall not be wrapped with string, paper, putty, or similar fillers.

(b) Threaded Joints. Threads for screw pipe and fittings shall conform to the approved or listed standard. Pipe ends shall be reamed out to size of bore. All burrs, chips, cutting oil and foreign matter shall be removed. Pipe joint cement or thread lubricant shall be of approved type and applied to make threads only.

(c) Solder Joints. Solder joints for tubing shall be made with approved or listed solder type fittings. Surfaces to be soldered

shall be cleaned bright. The joints shall be properly fluxed with noncorrosive paste type flux and made with approved or listed fifty-fifty (50-50) solder or an approved solder having a higher melting temperature.

(d) Plastic Pipe, Fittings and Joints. Plastic pipe and fittings shall be joined by installation methods recommended by the manufacturer or by a recognized approved or listed standard.

(e) Union Joints. Metal unions shall have metal-to-metal ground seats.

(f) Flared Joints. Flared joints for soft-copper water tubing shall be made with listed fittings. The tubing shall be expanded with a proper flaring tool.

(g) Cast Iron Soil Pipe Joints. Approved or listed cast iron pipe may be joined as follows:

(1) Approved or listed hubless pipe as per the manufacturer's recommendation.

(2) Hub and plain-end soil pipe may be joined by compression fittings per the manufacturer's recommendation.

(Fire Prevention and Building Safety Commission; 675 IAC 15-2-38; filed Mar 25, 1986, 1:44 pm; 9 IR 1992, eff Jun 15, 1986; errata, 9 IR 2931; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)

675 IAC 15-2-39 Traps

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 39. (a) Traps Required. Each plumbing fixture, except listed toilets shall be separately trapped by approved water seal "P" traps. All traps shall be effectively vented.

(b) Dual Fixtures. A two-compartment sink, two single sinks, two lavatories, or a single sink and a single lavatory with waste outlets not more than thirty inches (30") apart and in the same room and flood level rims at the same level may be connected to one "P" trap and may be considered as a single fixture for the purpose of drainage and vent requirements.

(c) Prohibited Traps. A trap which depends for its seal upon concealed interior partitions shall not be used. Full "S" traps, bell traps, drum traps, crown-vented traps, and running traps are prohibited. Fixtures shall not be double-trapped.

(d) Material and Design. Each trap shall be self-cleaning with a smooth and uniform interior waterway. Traps shall be manufactured of cast iron, cast brass, or drawn brass tubing of not less than No. 20 Brown and Sharpe gauge, or approved or listed material. Union joints for a trap shall be beaded to provide a shoulder for the union nut. Each trap shall have the manufacturer's name stamped or cast in the body of the trap, and each trap shall show the gauge of the tubing.

(e) Trap Seal. Each "P" trap shall have a water seal of not less than two inches (2") and not more than four inches (4") and shall be set true to its seal.

(f) Size. Traps shall be not less than one and one-fourth inches (1 1/4") in diameter. A trap shall not be larger than the waste pipe to which it is connected.

(g) Location. Each trap shall be located as close to its vent and to its fixture outlet as structural conditions will permit.

(h) Length of Tailpiece. The vertical distance from a trap to the fixture outlet shall not exceed twenty-four inches (24").

(i) Installation shall be as follows:

(1) Grade of Trap Arm. The piping between a "P" trap and the fixture tee or the vented waste line shall be graded one-fourth inch (1/4") per foot towards the vent and in no event shall have a slope greater than its diameter. The vent opening at fixture tees shall not be below the weir of the "P" trap outlet.

(2) Trap Arm Offset. The piping between the "P" trap and vent may change direction or be offset horizontally with the equivalent of no more than one hundred eighty degrees (180°).

(3) Concealed Traps. Traps with mechanical joints shall be accessible for repair and inspection.

(4) Removability of Traps, Etc. Traps shall be designed and installed so the "U" bend is removable without removing the strainers from the fixture. Continuous waste and tailpieces which are permanently attached to the "U" bend shall also be removable without removing the strainer from the fixture.

(Fire Prevention and Building Safety Commission; 675 IAC 15-2-39; filed Mar 25, 1986, 1:44 pm; 9 IR 1993, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)

675 IAC 15-2-40 Cleanouts

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 40. (a) Location of cleanout fittings shall be as follows:

(1) Cleanouts shall be installed if the drainage system cannot be cleaned through fixtures, drains, or vents. Cleanouts shall also be provided when fittings of more than forty-five degrees (45°) are used to affect an offset except where long turn ells are used which provide sufficient "sweep" for cleaning.

(2) A full size cleanout shall be installed at the upper end of any section of drain piping which does not have the required minimum slope of one-fourth inch (1/4") per foot grade.

(3) A cleaning tool shall not be required to pass through more than three hundred sixty degrees (360°) of fittings, excluding removable "P" traps, to reach any part of the drainage system.

(b) Cleanouts shall be accessible through an unobstructed minimum clearance of twelve inches (12") directly in front of the opening. Each cleanout fitting shall open in a direction opposite to the flow or at right angles to the pipe. Concealed cleanouts that are not provided with access covers shall be extended to a point above the floor or outside of the mobile structure, with pipe and fittings installed as required, for drainage piping without sags and pockets.

(c) Material. Plugs and caps shall be brass or approved or listed plastic, with screw pipe threads.

(d) Design. Cleanout plugs shall have raised heads except that plugs at floor level shall have counter-sunk slots. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-40; filed Mar 25, 1986, 1:44 pm: 9 IR 1993, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-41 Fixtures and connections

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 41. (a) Quality of Fixtures. Plumbing fixtures shall have smooth impervious finishes, be free from defects and concealed fouling surfaces, be capable of resisting road shock and vibration, and shall conform in quality and design to approved standards.

(b) Strainers. The waste outlet of all plumbing fixtures, other than toilets, shall be equipped with a drain fitting that will provide an adequate unobstructed waterway.

(c) Fixture Connections. Fixture tailpieces and continuous wastes in exposed or accessible locations shall be not less than No. 20 Brown and Sharpe gage seamless drawn-brass tubing or other approved pipe or tubing materials. Inaccessible fixture connections shall be constructed according to the requirements for drainage piping. Each fixture tailpiece, continuous waste, or waste and overflow shall be not less than one and one-half inches (1 1/2") for sinks of two (2) or more compartments, dishwashers, clothes washing machines, laundry tubs, bathtubs, and not less than one and one-fourth inches (1 1/4") for lavatories and single compartment sinks having a two inch (2") maximum drain opening.

(d) Concealed Connections. Concealed connections shall be provided with adequately sized unobstructed access panels and shall be accessible for inspection and repair.

(e) Directional Fitting. An approved or listed "Y" or other directional-type branch fitting shall be installed in every tailpiece or continuous waste that receives the discharge from food waste disposal units, dishwashing, or other force-discharge fixture or appliance. (See 675 IAC 15-2-42(c)(2)). The installation of fixtures shall conform to the following:

(1) Floor outlet or floor mounted fixtures shall be secured to the drainage connection and to the floor when so designed, by screws or bolts of copper, brass or other corrosion-resistant material.

(2) Wall hung fixtures shall be rigidly supported so that strain is not transmitted to the plumbing system.

(3) Where fixtures come in contact with walls or floors, the joint shall be watertight.

(4) Plumbing fixtures shall be functionally accessible.

(5) The center line of water closets shall be not less than fifteen inches (15") from adjacent walls or partitions.

(6) The location of piping, fixtures or equipment shall not interfere with the operation of windows or doors.

(*Fire Prevention and Building Safety Commission; 675 IAC 15-2-41; filed Mar 25, 1986, 1:44 pm: 9 IR 1994, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-42 Toilets; shower compartments; dishwashers; washing machines

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 42. (a) Toilets shall be as follows:

- (1) Each toilet shall be designed and manufactured according to approved standards and shall be equipped with a water flushing device capable of adequately flushing and cleaning the bowl at each operation of the flushing mechanism.
 - (2) Toilet flushing devices shall be designed to replace the water seal in the bowl after each operation. Flush valves, flushometer valves, and ball cocks shall operate automatically to shut off at the end of each flush or when the tank is filled to operating capacity.
 - (3) Flush tanks shall be fitted with an overflow pipe large enough to prevent flooding at the maximum flow rate of the ball cock. Overflow pipes shall discharge into the toilet, through the tank.
 - (4) Toilets that have fouling surfaces that are not thoroughly washed at each discharge shall be prohibited. Any toilet that might permit the contents of the bowl to be siphoned back into the water system shall be prohibited.
 - (5) Floor Connection. Toilets shall be securely bolted to an approved flange or other approved fitting which is secured to the floor by means of corrosion-resistant plated screws. The bolts shall be of solid brass or other corrosion-resistant material and shall be not less than one-fourth inch (1/4") in diameter. A watertight seal shall be made between the toilet and flange or other approved fitting by use of a gasket or sealing compound. (See 675 IAC 15-2-13(b).)
 - (6) Recirculating or mechanical seal toilets may provide for storage of liquid waste and body waste as an integral part of the unit. When a mechanical seal toilet does not contain storage for the retention of liquid waste and body waste it shall be connected to an approved waste holding tank.
 - (7) Floor or Tank Connections. Toilets, when directly connected to a waste holding tank shall be securely bolted to either the tank or the floor by means of an approved closet flange or other approved fitting. Bolts and screws when used shall be of brass or other noncorrosive material and shall not be less than one-fourth inch (1/4") in diameter. A watertight seal shall be made between the toilet and flange or other approved fittings by the use of a gasket or sealing compound.
- (b) Shower compartments shall be as follows:
- (1) Each compartment stall shall be provided with an approved watertight receptor with sides and back extending one inch (1") above the finished dam or threshold. In no case shall the depth of a shower receptor be less than two inches (2") or more than nine inches (9") measured from the top of the finished dam or threshold to the top of the drain. The wall area shall be constructed of smooth, noncorrosive, and nonabsorbent waterproof materials to a height not less than six feet (6') above the compartment floor level. Such walls shall form a watertight joint with each other and with the receptor or shower floor. The floor of the compartment shall slope uniformly to the drain at not less than one-fourth inch (1/4") nor more than one-half inch (1/2") per foot. Minimum of nine hundred (900) square inches (thirty inches (30") minimum diameter circle) in floor area.
 - (2) The joint around the drain connection shall be made watertight by a flange, clamping ring, or other approved listed means.
 - (3) Shower doors and tub and shower enclosures shall be constructed so as to be waterproof and, if glazed, glazing shall comply with the Indiana Building Code (675 IAC 13-2 [675 IAC 13-2 was repealed filed Feb 15, 1989, 5:00 p.m.: 12 IR 1552, eff Apr 3, 1989.]).
 - (4) Prefabricated plumbing fixtures shall be approved or listed and shall comply with all applicable requirements relating to such fixtures.
- (c) Dishwashing machines shall be as follows:
- (1) Dishwashing machines shall not be directly connected to any waste piping, but shall discharge its waste through a fixed air gap installed above the machine. The drain connection from the air gap may connect to an individual trap, to a directional fitting installed in the sink tailpiece, or to the opening provided on the inlet side of a food waste disposal unit.
 - (2) Drain from a dishwashing machine shall not be connected to a sink tailpiece, continuous waste line, or trap on the discharge side of a food waste disposal unit.
- (d) Clothes washing machines shall be as follows:
- (1) Clothes washing machines shall drain either into a properly vented trap into a laundry tub tailpiece with watertight connections, into an open standpipe receptor, or over the rim of a laundry tub.
 - (2) Standpipes shall be one and one-half inches (1 1/2"), minimum, nominal iron pipe size, or one and one-half inches (1 1/2") outside diameter nominal brass tubing not less than No. 20 Brown and Sharpe gauge or one and one-half inches (1 1/2") approved plastic. Receptors shall discharge into a vented trap or shall be connected to a laundry tub tailpiece by means of an approved or listed directional fitting. Each standpipe shall extend not less than eighteen inches (18") or more than thirty inches (30") above its trap and shall terminate in an accessible location no lower than the top of clothes washing machine.
 - (3) Clothes washing machine drains shall not be connected to the tailpiece, continuous waste, or trap of any sink or dishwashing machine.

(Fire Prevention and Building Safety Commission; 675 IAC 15-2-42; filed Mar 25, 1986, 1:44 pm; 9 IR 1994, eff Jun 15, 1986;

readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)

675 IAC 15-2-43 Installation of fixtures

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 43. (a) Access. Each plumbing fixture shall be located and installed in a manner to provide easy access for cleaning and repair.

(b) Alignment. Fixtures shall be set level and in true alignment with adjacent walls. Where practical, piping from fixtures shall extend to nearest wall.

(c) Brackets. Wall-hung fixtures shall be rigidly attached to walls by metal brackets or supports without any strain being transmitted to the piping connections. Flush tanks shall be securely fastened to toilets or to the wall with corrosive-resistant materials.

(d) Centerline of water closet shall not be less than fifteen inches (15") from adjacent wall or partition. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-43; filed Mar 25, 1986, 1:44 pm: 9 IR 1995, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-44 Piping strains and stresses

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 44. Piping in a plumbing system shall be installed without undue strains and stresses, and provision shall be made for expansion, contraction, and structural settlement. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-44; filed Mar 25, 1986, 1:44 pm: 9 IR 1996, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-45 Piping supports

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 45. Piping shall be secured at sufficiently close intervals to keep the pipe in alignment and carry the weight of the pipe and contents. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-45; filed Mar 25, 1986, 1:44 pm: 9 IR 1996, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-46 Hangers and anchors

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 46. (a) Hangers and anchors shall be of sufficient strength to support their proportional share of the pipe alignments and prevent rattling.

(b) Piping shall be securely attached to the structure by proper hangers, clamps, or brackets which provide protection against motion, vibration, road shock, torque in the chassis, or other unusual conditions. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-46; filed Mar 25, 1986, 1:44 pm: 9 IR 1996, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-47 Water supply piping; hot water supply system

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 47. (a) Supply Piping. Piping systems shall be sized to provide an adequate quantity of water to each plumbing fixture at a flow rate sufficient to keep the fixture in a clean and sanitary condition without any danger of backflow or siphonage (see Table 1B in 675 IAC 15-2-52(a)).

(b) Hot Water Supply. Each mobile system dwelling unit shall be equipped with a kitchen sink, bathtub or shower and shall be provided with a hot water supply system including a water heater. *(Fire Prevention and Building Safety Commission; 675 IAC*

15-2-47; filed Mar 25, 1986, 1:44 pm: 9 IR 1996, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)

675 IAC 15-2-48 Water connections and outlets

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 48. (a) Water Connection. Each mobile structure with a water distribution system shall be equipped with a three-fourths inch (3/4") threaded inlet connection. This connection shall be tagged or marked "fresh water connection". A matching cap or plug shall be provided to seal the water inlet when it is not in use, and shall be permanently attached to the mobile structure or water supply piping.

When a mobile structure includes expandable rooms or is composed of two (2) or more units, fittings or connectors designed for such purpose shall be provided to connect any water piping. When not connected, the water piping shall be protected by means of matching caps or plugs in accordance with section 675 IAC 15-2-87(b).

(b) Prohibited connections shall be as follows:

(1) The installation of potable water supply piping, fixture or appliance connections shall be made in a manner to preclude the possibility of backflow.

(2) No part of the water system shall be connected to any drainage or vent piping.

(c) Rim Outlets. The outlets of faucets, spouts, and similar devices shall be spaced at least one inch (1") above the flood level of the fixture.

(d) Appliance Connections. Water supplies connected to clothes washing or dish washing machines shall be protected by an approved or listed fixed air gap provided within the appliance by the manufacturer.

(e) Flushometer Valves or Manually Operated Flush Valves. An approved or listed vacuum breaker shall be installed and maintained in the water supply line on the discharge side of a toilet flushometer valve or manually operated flush valve. Vacuum breakers shall have a minimum clearance of six inches (6") above the flood level of the fixture to the critical level mark unless otherwise permitted in their approval.

(f) Flush Tanks. Toilet flush tanks shall be equipped with an approved anti-siphon ball cock which shall be installed and maintained with its outlet or critical level mark not less than one inch (1") above the full opening of the overflow pipe. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-48; filed Mar 25, 1986, 1:44 pm: 9 IR 1996, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-49 Water heaters; relief valves; prohibited location

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 49. Relief valves shall be as follows:

(1) All water heaters shall be installed with approved and listed fully automatic valve or valves designed to provide temperature and pressure relief.

(2) Any temperature relief valve or combined pressure and temperature relief valve installed shall have the temperature sensing element immersed in the hottest water within the upper six inches (6") of the tank. It shall be set to start relieving at a pressure of one hundred fifty (150) psi or the rated working pressure of the tank whichever is lower and at or below a water temperature of 210°.

(3) Relief valves shall be provided with full-sized drains which shall be directed downward and discharge beneath the mobile structure. Drain lines shall be of a material listed for hot water distribution and shall drain fully by gravity, shall not be trapped, and shall not have their outlets threaded.

(4) Prohibited Location. Water heaters depending on combustion of fuel, shall not be installed in sleeping rooms, bathrooms/restrooms, closets.

(*Fire Prevention and Building Safety Commission; 675 IAC 15-2-49; filed Mar 25, 1986, 1:44 pm: 9 IR 1997, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-50 Material standards for water piping and fittings

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 50. (a) Piping Material. Water pipe shall be of standard weight brass, galvanized steel, Type K, L, or M copper tubing, approved or listed plastic, or other approved or listed material.

Plastic Piping. All plastic water piping and fittings in mobile structures must be approved or listed for use with hot water.

(b) Fittings. Appropriate fittings shall be used for all changes in size and where pipes are joined. The material and design of fittings shall conform to the type of piping used.

(1) Fittings for screw piping shall be standard and weight galvanized iron for galvanized iron and steel pipe, and of brass for brass piping. They shall be installed where required for change in direction, reduction of size, or where pipes are joined together.

(2) Fittings for copper tubing shall be cast brass or drawn copper (sweat soldered) or shall be listed or approved fittings for the purpose intended.

(c) Prohibited Material. Used piping materials shall not be permitted. Pipe dope, solder flux, oils, solvents, chemicals, or other substances that are toxic, corrosive, or otherwise detrimental to the water system shall not be used. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-50; filed Mar 25, 1986, 1:44 pm; 9 IR 1997, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-51 Installation of piping

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 51. (a) Minimum Requirement. All piping equipment, appurtenances, and devices shall be installed in workmanlike manner and shall conform with the provisions and intent of this code.

(b) Screw pipe. Iron pipe-size brass or galvanized iron or steel pipe and fittings shall be joined with approved or listed standard pipe threads fully engaged in the fittings. Pipe ends shall be reamed to the full bore of the pipe. Pipe-joint compound shall be insoluble in water, shall be nontoxic and shall be applied to male threads only.

(c) Solder Fittings. Joints in copper water tube shall be made by the appropriate use of approved cast brass or wrought copper fittings, properly soldered together. The surface to be soldered shall be thoroughly cleaned bright by mechanical means. The joints shall be properly fluxed and made with approved solder.

(d) Flared Fittings. A flaring tool shall be used to shape ends of flared tubing to match the flare of fittings.

(e) Plastic Pipe and Fittings. Plastic pipe and fittings shall be joined by installation methods recommended by the manufacturer or by an approved standard. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-51; filed Mar 25, 1986, 1:44 pm; 9 IR 1997, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-52 Size of water supply piping

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 52. (a) Minimum Size. The size of water supply piping and branch lines shall not be not less than sizes shown in Table 1B, as follows:

TABLE 1B
Minimum *[sic.]* Size Tubing and Pipe for Water
Distribution Systems

Number of Fixtures	Tubing (Nominal)		Pipe
	Dia. (Inches)	Outer Dia. (Inches)	Iron Pipe Size (Inches)
1	1/4*	3/8	1/2
2	3/8	1/2	1/2
3	1/2	5/8	1/2

4	1/2	5/8	1/2
5 or more	3/4	7/8	3/4

*6 feet maximum length.

Exception: Three-eighths inch (3/8") nominal diameter or one-half inch (1/2") optional diameter size for clothes washing or dishwashing machines, unless larger size is recommended by the fixture manufacturer.

One-half inch (1/2") nominal diameter or five-eighths inch (5/8") optional diameter minimum size for flushometer or metering tube valves unless otherwise specified in their listing.

No galvanized screw piping shall be less than one-half inch (1/2") iron pipe size.

(b) Sizing Procedure. Both hot and cold water systems shall be computed by the following method:

(1) Size of Branch. Start at the remote outlet on any branch of the hot or cold water piping and progressively count towards the water service connection, computing the total number of fixtures supplied along each section of piping. Where branches are joined together, the number of fixtures on each branch shall be totalled so that no fixture is counted twice. Following down the left-hand column of Table 1B, in (a) above, a corresponding number of fixtures will be found. The required pipe or tubing size is indicated in the other columns on the same line.

(2) A water heater, food waste disposal unit, evaporative cooler or ice maker shall not be counted as a water-using fixture when computing pipe sizes.

(Fire Prevention and Building Safety Commission; 675 IAC 15-2-52; filed Mar 25, 1986, 1:44 pm; 9 IR 1997, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)

675 IAC 15-2-53 Drainage systems; materials

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 53. (a) Pipe. Drainage piping shall be standard weight steel, wrought iron, brass, copper tube DWV, listed plastic, cast iron, or other approved or listed materials. Drainage piping shall be designed to provide for one-fourth inch (1/4") per foot grade in horizontal piping.

EXCEPTION: Horizontal drainage piping may have a uniform slope of not less than one-eighth (1/8) of an inch per foot or one (1) percent toward the point of disposal provided accessible cleanouts are installed per Section 40 of this code.

(b) Fittings. Drainage fittings shall be recessed drainage pattern with smooth interior waterways of the same diameter as piping and shall be of a material conforming to the type of piping used. Fittings for screw pipe shall be cast iron, malleable iron, brass, or listed plastic with standard pipe threads. Fittings for copper tubing shall be cast brass or wrought copper. Socket-type fittings for plastic piping shall comply with listed standards. Brass or bronze adapter or wrought copper fittings shall be used to join copper tubing to the threaded pipe. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-53; filed Mar 25, 1986, 1:44 pm; 9 IR 1998, eff Jun 15, 1986; filed Sep 19, 1986, 9:15 am; 10 IR 237; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-54 Drain outlets

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 54. (a) Clearance from Drain Outlet. The drain outlet shall be provided with a minimum clearance of three inches (3") in any direction from all parts of the structure or appurtenances and with not less than eighteen inches (18") unrestricted clearance directly in front of the drain outlet.

(b) Drain Connector. The drain connector shall not be smaller than the piping to which it is connected and shall be equipped with a watertight cap or plug matching the drain outlet. The cap or plug shall be permanently attached to the mobile structure or drain outlet.

(c) The drain outlet and drain connector shall not be less than three inches (3") inside diameter.

(d) Preassembly of Drain Lines. Drain lines, provided by the manufacturer located under the mobile structure designed to bring the drain system to one distribution point and which may be damaged in transit, must be designed for proper site assembly. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-54; filed Mar 25, 1986, 1:44 pm; 9 IR 1998, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-55 Drain connections

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 55. (a) Fixture Connections. Drainage piping shall be provided with approved or listed inlet fittings for fixture connections, correctly located according to the size and type of fixture to be connected.

(b) Toilet Connection. The drain connection for each toilet shall be three inches (3") minimum inside diameter and shall be fitted with an iron, brass, or listed plastic floor flange adaptor ring securely screwed, soldered or otherwise permanently attached to the drain piping, in an approved manner and securely fastened to the floor. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-55; filed Mar 25, 1986, 1:44 pm; 9 IR 1998, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-56 Size of drainage piping

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 56. Fixture Load. Except as provided by 675 IAC 15-2-52, drain pipe sizes shall be determined by the type of fixture and the total number connected to each drain.

(1) Fixture Unit. A one and one-half inch (1 1/2") minimum diameter piping shall be required for one (1) and not more than three (3) individually vented fixtures.

(2) Fixture Unit. A two inch (2") minimum diameter piping shall be required for four (4) or more fixtures individually vented.

(3) A three inch (3") minimum diameter piping shall be required for toilets.

(4) When a combination of two (2) or more water closets, sinks, showers, urinals, or clothes washing equipment are installed, the Indiana plumbing code shall apply for mobile system-commercial transitory plumbing systems.

(Fire Prevention and Building Safety Commission; 675 IAC 15-2-56; filed Mar 25, 1986, 1:44 pm; 9 IR 1999, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)

675 IAC 15-2-57 Wet-vented drainage system

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 57. (a) A common vent may be used for two (2) fixtures set on the same floor level but connecting at different levels in the stack, provided the vertical drain is one pipe diameter larger than the upper fixture drain but in no case smaller than the lower fixture drain, whichever is the larger.

(b) Length of Trap Arm. Fixture traps shall be located within the distance given in Table 2B, in 675 IAC 15-2-62. Not more than one (1) trap shall connect to a trap arm. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-57; filed Mar 25, 1986, 1:44 pm; 9 IR 1999, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-58 Offsets and branch fittings

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 58. (a) Changes in Direction. Changes in direction of drainage piping shall be made by the appropriate use of approved or listed fittings, and shall be of the following angles: 1/32 bend, 1/16 bend, 1/8 bend, 1/6 bend, or 1/4 bend; or other approved or listed fittings or combination of fittings with equivalent radius or sweep.

(b) Horizontal to Vertical. Horizontal drainage lines, connecting with a vertical pipe shall enter through 1/8 bend "Y" branches, 1/6 bend "Y" branches, long-turn "TY" branches, sanitary "T" branches, or other approved or listed fittings, or combination of fittings having equivalent sweep. Fittings having more than one (1) branch at the same level shall not be used, unless the fitting is constructed so that the discharge from any one (1) branch cannot readily enter any other branch. However, a double sanitary "T" may be used when the drain line is increased not less than two (2) pipe sizes.

(c) Horizontal to Horizontal and Vertical to Horizontal. Horizontal drainage lines connecting with other horizontal drainage lines or vertical drainage lines connected with horizontal drainage lines shall enter through 1/8 bend degree "Y" branches, long-turn

“TY” branches, or other approved or listed fittings or combination of fittings having equivalent sweep. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-58; filed Mar 25, 1986, 1:44 pm; 9 IR 1999, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-59 Grade of horizontal drainage piping

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 59. Except for fixture connections on the inlet side of the trap, horizontal drainage piping shall be run in practical alignment and have a uniform grade of not less than one-fourth inch (1/4") per foot toward the mobile structure drain outlet. Where it is impractical, due to the structural features or arrangement of any mobile structure, to obtain a grade of one-fourth inch (1/4") per foot, the pipe or piping may have a grade of not less than one-eighth inch (1/8") per foot, when a full size cleanout is installed at the upper end. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-59; filed Mar 25, 1986, 1:44 pm; 9 IR 1999, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-60 Vent piping and fittings

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 60. (a) Each plumbing fixture trap shall be protected against siphonage and back pressure, and air circulation shall be ensured throughout all parts of the drainage system by means of vents installed in accordance with the requirements of this section and as otherwise required by this code. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-60; filed Mar 25, 1986, 1:44 pm; 9 IR 1999, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-61 Material standards for vent piping and fittings

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 61. (a) Pipe. Vent piping shall be standard weight steel, wrought iron, brass, copper tube DWV, listed plastic cast iron or other approved or listed materials.

(b) Fittings. Appropriate fittings shall be used for all changes in direction or size and where pipes are joined. The material and design of vent fittings shall conform to the type of piping used.

(1) Fittings for screw pipe shall be cast iron, malleable iron, plastic, or brass, with standard pipe threads.

(2) Fittings for copper tubing shall be cast brass or wrought copper.

(3) Fittings for plastic piping shall be of appropriate material and made to approved or applicable standards.

(4) Brass adaptor fittings or wrought copper shall be used to join copper tubing to threaded pipe.

(*Fire Prevention and Building Safety Commission; 675 IAC 15-2-61; filed Mar 25, 1986, 1:44 pm; 9 IR 2000, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-62 Size of vent piping

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 62. (a) Main Vent. The drain piping for each toilet shall be vented by a one and one-half inch (1 1/2") minimum diameter vent connected to the main drain by one of the following methods:

(1) A one and one-half inch (1 1/2") diameter (min.) individual vent pipe or equivalent directly connected to the toilet drain and extended undiminished outside through the roof.

(2) A one and one-half inch (1 1/2") diameter (min.) continuous vent or equivalent indirectly connected to the toilet drain piping through a two inch (2") wet-vented drain that carries the waste of not more than one (1) fixture.

(3) Two (2) or more vented drains when at least one is wet-vented, or two inch (2") diameter (minimum), and each drain is separately connected to the main drain.

(b) Individual Vents. Unless protected with an anti-siphon trap vent device, each individually vented fixture with a one and one-half inch (1 1/2") or smaller trap shall be provided with a vent pipe equivalent in area to a one and one-fourth inch (1 1/4") nominal pipe size. The main vent, toilet vent and relief vent, and the continuous vent of wet-vented systems shall have an area equivalent to a one and one-half inch (1 1/2") nominal pipe size.

(c) Common Vent. When two fixture traps located within the distance allowed from their vent have their trap arms connected separately at the same level into an approved double fitting, an individual vent pipe may serve as a common vent without any increase in size.

(d) Intersecting Vents. Where two (2) or more vent pipes are joined together no increase in size shall be required; however, the largest vent pipe shall extend full size through the roof.

(e) Distance of fixture trap from vent shall not exceed the values given in Table 2B, below.

(f) When a combination of two (2) or more water closets, sinks, showers, urinals, or clothes washing equipment are installed the Indiana plumbing code (675 IAC 16-1 [675 IAC 16-1 was repealed filed Sep 22, 1988, 2:35 p.m.: 12 IR 341, eff Jan 2, 1989. See 675 IAC 16-1.2.J) shall apply for mobile system-commercial transitory.

TABLE 2B
Maximum Distance of Fixture Trap from Vent

Size of Fixture Drain (Inches)	Distance Trap to Vent
1 1/4	4 feet 6 inches
1 1/2	5 feet 0 inches
2	5 feet 0 inches
3	6 feet 0 inches

(Fire Prevention and Building Safety Commission; 675 IAC 15-2-62; filed Mar 25, 1986, 1:44 pm: 9 IR 2000, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)

675 IAC 15-2-63 Anti-siphon trap vent

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 63. (a) Anti-Siphon Trap Devices. Where an anti-siphon trap vent device is used as a secondary vent, it shall be installed in accordance with the conditions of its listing and shall be accessible. The lowest point of the valve seal when in the normally closed position shall not be less than six inches (6") above the flood level of the fixture. The toilet shall be vented in accordance with 675 IAC 15-2-62. Only anti-siphon trap vent devices which have been approved shall be installed.

(b) Not more than two (2) fixtures individually protected by anti-siphon trap vent devices shall be drained by a common one and one-half inch (1 1/2") drain.

(c) Three (3) or more fixtures individually protected by anti-siphon trap vent devices shall be drained by a common two inch (2") drain. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-63; filed Mar 25, 1986, 1:44 pm: 9 IR 2000, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-64 Horizontal vent connections and grade

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 64. (a) Horizontal Vents. Each vent shall extend vertically from its fixture "T" above the extreme flood level of the fixture it is venting before offsetting horizontally or being connected with any other vent pipe. Vents for horizontal drains shall connect above the centerline of the drain piping ahead of the trap.

(b) Grade. Vents shall be designed to drain back to the drainage system by gravity. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-64; filed Mar 25, 1986, 1:44 pm: 9 IR 2001, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-65 Vent terminal

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 65. (a) Roof Extension. Each vent pipe shall extend through its flashing and terminate vertically, undiminished in size not less than two inches (2") above the roof. Vent openings shall not be less than three feet, zero inches (3' 0") away from any motor-driven air intake that opens into habitable areas.

(b) Flashing. The opening around each vent pipe shall be made watertight by an adequate flashing or flashing materials. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-65; filed Mar 25, 1986, 1:44 pm: 9 IR 2001, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-66 Vent caps

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 66. Vent caps, if provided, shall be of the removable type (without removing the flashing from the roof where it is required to perform tests required by 675 IAC 15-2-68) or when the vent is used as a clean out. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-66; filed Mar 25, 1986, 1:44 pm: 9 IR 2001, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-67 Water pressure tests

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 67. Water System. All water piping in the water distribution systems shall be subjected to a pressure test. The test shall be made by subjecting the system to air or water at fifty (50) psi for fifteen (15) minutes without loss of pressure. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-67; filed Mar 25, 1986, 1:44 pm: 9 IR 2001, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-68 Waste and vent system tests

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 68. The waste and vent system shall be tested by one (1) of the three (3) following alternate methods for evidence or indication of leakage.

(1) Water Test. Before plumbing fixtures are connected, all of the openings into the piping shall be plugged and the entire piping system subjected to a static water test for fifteen (15) minutes by filling it with water to the top of the highest vent opening. There shall be no evidence of leakage.

(2) Air Test. After all fixtures have been installed, the traps filled with water and the remaining openings securely plugged, the entire system shall be subjected to a two inch (2") (manometer) water column air pressure test. If the system loses pressure, leaks may be located with smoke pumped into the system, or with soap suds spread on the exterior of the piping (Bubble Test).

(3) Flood Level Test. The mobile structure shall be in a level position, all fixtures shall be connected, and the entire system shall be filled with water to the rim of the toilet bowl. (Tub and shower drains shall be plugged.) After all trapped air has been released, the test shall be sustained for not less than fifteen (15) minutes without evidence of leaks. Then the system shall be unplugged and emptied. The waste piping above the level of the toilet bowl shall then be tested and show no indication of leakage when the high fixtures are filled with water and emptied simultaneously to obtain the maximum possible flow in the drain piping. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-68; filed Mar 25, 1986, 1:44 pm: 9 IR 2001, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-69 Fixture tests

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 69. The plumbing fixtures and connections shall be subjected to a slow test by filling them with water and checking for leaks and retarded flow while they are being emptied. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-69; filed Mar 25, 1986, 1:44 pm: 9 IR 2001, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-70 Shower compartment tests

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 70. Nonmetallic shower compartments and receptors shall be tested for leaks prior to being covered by finish material. Each pan shall be filled with water to the top of the dam for not less than fifteen (15) minutes. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-70; filed Mar 25, 1986, 1:44 pm: 9 IR 2002, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-71 Scope of heating, cooling, and fuel-burning system standards

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 71. (a) The provisions of 675 IAC 15-2-71–675 IAC 15-2-87 cover the heating, cooling, and fuel burning systems and equipment installed within or on mobile structures except for commercial mobile structures which shall conform to the Indiana mechanical code (675 IAC 18-1 [675 IAC 18-1 was repealed filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989. See 675 IAC 18-1.3.J]).

(b) Wherever rules of the commission and the provisions of 675 IAC 15-2-71–675 IAC 15-2-87 differ, the requirements of the provisions of 675 IAC 15-2-71–675 IAC 15-2-87 shall apply. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-71; filed Mar 25, 1986, 1:44 pm: 9 IR 2002, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-72 Definitions for heating, cooling, and fuel-burning systems

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 72. The following definitions are common to the provisions of 675 IAC 15-2-71–675 IAC 15-2-87.

“Accessible” means having access to a fixture, connection, appliance or equipment, but which may require the removal of an access panel, door or similar obstruction without removing permanent construction.

“Air duct” means conduits or passageways for conveying air to or from heating, cooling, air conditioning or ventilation equipment, but not including the plenum.

“Automatic pump (oil lifter)” means a pump, not an integral part of the oil-burning appliance, that automatically pumps oil from the supply tank and delivers the oil by gravity under a constant head to an oil-burning appliance.

“British thermal unit (BTU)” means the quantity of heat required to raise the temperature of one (1) pound of water one (1) degree Fahrenheit.

“BTU/H” means british thermal units per hour.

“Burner” means a device for the final conveyance of fuel or a mixture of fuel and air to the combustion zone.

“Class 0 air ducts” means ducts of materials and connectors having a fire-hazard classification of zero.

“Class 1 air ducts” means ducts of materials and connectors having a flame-spread rating of not over twenty-five (25) without evidence of continued progressive combustion and a smoke-developed rating of not over fifty (50).*

“Class 2 air ducts” means ducts of materials and connectors having a flame-spread rating of not over fifty (50) without evidence of continued progressive combustion and a smoke-developed rating of not over fifty (50) for the inside surface and not over one hundred (100) for the outside surface.*

*Flame-spread and smoke developed ratings are measured as specified in the Indiana Flammable and Combustible Liquids and Gases

Code (675 IAC 22-1).

“Clearance” means the distance between the appliance, chimney, vent, chimney or vent connector or plenum and the nearest surface.

“Connector-gas appliance” means a flexible or semi-rigid connector listed as required by the Indiana Mechanical Code (675 IAC 18-1 [675 IAC 18-1 was repealed filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989. See 675 IAC 18-1.3.J]) and used to convey fuel gas, three feet (3') or less in length (six feet (6') or less for gas ranges), between a gas outlet and a gas appliance in the same room with the outlet.

“Factory-built fireplace” means a hearth, fire chamber and chimney assembly composed of listed factory-built components assembled in accordance with the terms of listing to form a complete fireplace.

“Fireplace stove” means a chimney connected solid fuel-burning stove having listed part of its fire chamber open to the room.

“Fuel gas piping system” means the arrangement of piping, tubing, fittings, connectors, valves and devices designed and intended to supply or control the flow of fuel oil to the appliance(s).

“Gas clothes dryer” means a device used to dry wet laundry by means of heat derived from the combustion of fuel gases. Dryer classifications are as follows:

(1) Type 1. Factory-built package, multiple produced. Primarily used in family living environment. May or may not be coin-operated for public use. Usually the smallest unit physically and in function output.

(2) Type 2. Factory-built package, multiple produced. Used in business with direct intercourse of the function with the public. May or may not be operated by public or hired attendant. May or may not be coin-operated. Not designed for use in individual family living environment. May be small, medium, or large in relative size.

“Gas refrigerator” means a gas-burning appliance which is designed to extract heat from a suitable chamber.

“Gas supply connection” means the terminal end or connection to which a gas supply connector is attached.

“Gas supply connector” means tubing or piping connecting the mobile structure to the gas supply source.

“Gas vents” means factory-built vent piping and vent fittings listed by an approved testing agency, that are assembled and used in accordance with the terms of their listings, for conveying flue gases to the outside atmosphere.

(1) Type B Gas Vent. A gas vent for venting gas appliances with draft hoods and other gas appliances listed for use with Type B Gas Vent.

(2) Type BW Gas Vent. A gas vent for venting listed gas-fired vented wall furnaces.

“Heat producing appliance” means all heating and cooking appliances and all fuel burning appliances.

“Heating appliance” means an appliance for comfort heating of a mobile structure or for water heating.

“Liquefied petroleum gases”, “LPG” and “LP-gas” as used in this code shall mean and include any material which is composed predominantly of any of the following hydrocarbons, or mixtures of them: propane, propylene, butanes (normal butane or isobutane), and butylenes.

“Plenum” means an air compartment which is part of an air-distributing system, to which one (1) or more ducts are connected.

(1) Furnace supply plenum is a plenum attached directly to, or an integral part of, the air supply outlet of the furnace.

(2) Furnace return plenum is a plenum attached directly to, or an integral part of, the return inlet of the furnace.

“Quick-disconnect device” means a hand-operated device which provides a means for connection gas systems and which is equipped with an automatic means to shut off the gas supply when the device is disconnected.

“Readily accessible” means having direct access without the necessity of removing any panel, door, or similar obstruction.

“Roof jack” means that portion of a mobile structure heater flue or vent assembly, including the cap, insulation means, flashing, and ceiling plate, located in and above the roof cavity of a mobile structure.

“Sealed combustion system appliance” means an appliance which by its inherent design is constructed so that all air supplied for combustion, the combustion system of the appliance, and all products of combustion are completely isolated from the atmosphere of the space in which it is installed.

“Water heater” means an appliance for heating water for domestic purposes other than for space heating. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-72; filed Mar 25, 1986, 1:44 pm: 9 IR 2002, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-73 LP-gas systems; service line pressure

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 73. (a) System S shall be of the vapor-withdrawal type.

(b) Gas, at a pressure not over fourteen inches (14") water (one-half (1/2) psi) shall be delivered from the system into the gas supply connection. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-73; filed Mar 25, 1986, 1:44 pm: 9 IR 2003, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-74 LP-gas containers

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 74. (a) Maximum Capacity. No more than two (2) containers having an individual water capacity of not more than one hundred five (105) pounds (approximately forty-five (45) pounds LP-gas capacity), shall be installed on or in a compartment of any mobile structure.

(b) Construction of Containers. Containers shall be constructed and marked in accordance with the Indiana Flammable and Combustible Liquids and Gases Code (675 IAC 22-1).

(c) Location of LP-gas containers and systems shall be as follows:

(1) LP-gas containers shall not be installed, nor shall provisions be made for installing or storing any LP-gas container, event [*sic.*] temporarily, inside any mobile structure except of listed, completely self-contained hand torches, lanterns, or similar equipment with containers having a maximum water capacity of not more than two and one-half (2 1/2) pounds (approximately one (1) pound LP-gas capacity).

(2) Containers, control valves, and regulating equipment, when installed shall be mounted on the hitch of the mobile structure, or installed in a compartment that is vaportight to the inside of the mobile structure and accessible only from the outside. The compartment shall be ventilated at top and bottom to facilitate diffusion of vapors. The compartment shall be ventilated with two vents having an aggregate area of not less than two percent (2%) of the floor area of the compartment and shall open unrestricted to the outside atmosphere. The required vents shall be equally distributed between the floor and ceiling of the compartment. If the lower vent is located in the access door or wall, the bottom edge of the vent shall be flush with the floor level of the compartment. The top vent shall be located in the access door or wall with the bottom of the vent not more than twelve inches (12") below the ceiling level of the compartment. All vents shall have an unrestricted discharge to the outside atmosphere. Access doors or panels of compartments shall not be equipped with locks or require special tools or knowledge to open.

(3) Permanent and removable fuel containers shall be securely mounted to prevent jarring loose, slipping or rotating and the fastenings shall be designed and construed [*sic.*] to withstand static loading in any direction equal to twice the weight less than four (4) based on the ultimate strength of the material to be used.

(d) LP-gas container valves and accessories shall be as follows:

(1) Valves in the assembly of a two-cylinder system shall be arranged so that replacement of containers can be made without shutting off the flow of gas to the appliance(s). This provision is not to be constructed as requiring an automatic change-over device.

(2) Shutoff valves on the containers shall be protected as follows, in transit, in storage, and while being moved into final utilization:

(A) by setting into a recess of the container to prevent possibility of their being struck if container is dropped upon a flat surface, or,

(B) by ventilated cap or collar, fastened to the container, capable of withstanding a blow from any direction equivalent to that of a thirty (30) pound weight dropped four feet (4'). Construction shall be such that the blow will not be transmitted to the valve.

(3) Regulators shall be connected directly to the container shutoff valve outlets or mounted securely by means of a support bracket and connected to the container shutoff valve or valves with listed high pressure connections. If the container is permanently mounted, the connector shall be as required above or with a listed semi-rigid tubing connector.

(e) LP-gas safety devices shall be as follows:

(1) DOT containers shall be provided with safety relief devices as required by the Indiana Flammable and Combustible Liquid and Gases Code (675 IAC 22-1). Safety relief valves shall have direct communication with the vapor space of the vessel.

(2) The delivery side of the gas pressure regulator shall be equipped with a safety relief device set to discharge at a pressure not less than two (2) times and not more than three (3) times the delivery pressure of the regulator.

(3) Systems mounted on the hitch assembly shall be so located that the discharge from the safety relief devices shall be into the open air and not less than three feet (3') horizontally from any opening into the mobile structure below the level of such discharge.

(4) Safety relief valves located within liquefied petroleum gas container compartments may be less than three feet (3') from openings provided:

(A) the bottom vent of the compartment is at the same level or lower than the bottom of any opening into the vehicle, or,

(B) the compartment is not located on the same wall plane as the opening(s) and is at least two feet (2') horizontally from such openings.

(f) LP-gas system enclosure and mounting shall be as follows:

(1) Housings and enclosures shall be designed to provide proper ventilation at least equivalent to that specified in (c)(2) of this section.

(2) Doors, hoods, domes, or portions of housings and enclosures required to be removed or opened for replacement of containers shall incorporate means for clamping them firmly in place and preventing them from working loose during transit.

(3) Provisions shall be incorporated in the assembly to hold the containers firmly in position and prevent their movement during transit.

(4) Containers shall be mounted on a substantial support or a base secured firmly to the vehicle chassis. Neither the container nor its support shall extend below the mobile structure frame.

(Fire Prevention and Building Safety Commission; 675 IAC 15-2-74; filed Mar 25, 1986, 1:44 pm; 9 IR 2003, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)

675 IAC 15-2-75 Oil tanks

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 75. (a) Installation. Oil tanks and listed automatic pumps (oil filters) installed for gravity flow of oil to heating equipment shall be installed so that the top of the tank is no higher than eight feet (8') above the appliance oil control and the bottom of the tank is not less than eighteen inches (18") above the appliance oil control.

(b) Auxiliary Storage Tank. Oil supply tanks affixed to a mobile structure shall be so located as to require filling and draining from the outside and shall be in a place readily available for inspection. If the fuel supply tank is located in a compartment of a mobile structure and the compartment shall be ventilated at the bottom to permit diffusion of vapors and shall be insulated from the structural members of the body. Tanks so installed shall be provided with an outside fill and vent pipe and an approved liquid level gauge.

(c) Shutoff Valve. A readily accessible, approved manual shutoff valve shall be installed at the outlet of an oil supply tank. The valve shall be installed to close against the supply.

(d) Fuel Oil Filters. All oil tanks, except for integrally mounted tanks, shall be equipped with an approved oil filter or strainer located downstream from the tank shutoff valve. The fuel oil filter or strainer shall contain a sump with a drain for the entrapment of water. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-75; filed Mar 25, 1986, 1:44 pm; 9 IR 2005, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-76 Gas piping systems

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 76. (a) General. The requirements of this section shall govern the installation of all fuel gas piping attached to any mobile structure. Gas delivered into the gas supply system shall be at a pressure not exceeding fourteen inch (14") water column (1/2 psi). None of the requirements listed in this section shall apply to the piping as a part of an appliance.

Rodent Resistance. All exterior openings around piping, ducts, plenums or vents shall be sealed to resist the entrance of rodents.

(b) Materials. All materials used for the installation, extension, alteration, or repair of any gas piping system shall be new and free from defects or internal obstructions. It shall not be permissible to repair defects in gas piping or fittings. Inferior or defective materials shall be removed and replaced with acceptable material. The system shall be made of materials having a melting point of

not less than 1,450° F, except as provided in (e).

(1) Steel or wrought-iron pipe shall comply with the Indiana Mechanical Code (675 IAC 18-1 [675 IAC 18-1 was repealed filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989. See 675 IAC 18-1.3.]). Threaded brass pipe in iron pipe sizes may be used. Threaded brass pipe shall comply with the Indiana Mechanical Code (675 IAC 18-1 [675 IAC 18-1 was repealed filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989. See 675 IAC 18-1.3.]).

(2) Fittings for gas piping shall be wrought iron, malleable iron, steel, or brass (containing not more than seventy-five percent (75%) copper).

(3) Copper tubing shall be annealed type, Grade K or L, shall conform to the Indiana Mechanical Code (675 IAC 18-1 [675 IAC 18-1 was repealed filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989. See 675 IAC 18-1.3.]). When used on systems designed for natural gas, such tubing shall be internally tinned.

(4) Steel tubing shall conform to the Indiana Mechanical Code (675 IAC 18-1 [675 IAC 18-1 was repealed filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989. See 675 IAC 18-1.3.]).

(c) Piping Design. Each mobile structure requiring fuel gas for any purpose shall be equipped with a fuel gas piping system that is designed for LP-gas only or with a natural gas piping system acceptable for LP-gas. Where fuel gas piping is to be installed in both portions of an expandable or dual mobile structure, the design and construction of the crossover shall be as follows:

(1) There shall be only one point of crossover which shall be located not more than eighteen inches (18") from either the front or rear wall and shall be readily accessible from the exterior of the mobile structure.

(2) The connector between units shall be a listed type for exterior use, sized in accordance with (d) of this section.

(3) The connection shall be made by a listed "quick disconnect" device which shall be designed to provide a positive seal of the supply side of the gas system when such device is separated.

(4) The flexible connector and "quick disconnect" device shall be provided with protection from mechanical and impact damage and located to minimize the possibility of tampering.

(5) Suitable protective coverings for the "quick disconnect" device, when separated shall be permanently attached to the device or flexible connector.

(6) A three inch by one and three-quarters inch (3" × 1 3/4") minimum size tag made of etched metal-stamped or embossed brass, stainless steel, anodized or alclad aluminum not less than 0.20 inch thick, or other approved material (e.g., 0.005 inch plastic laminates) shall be permanently attached on the exterior wall adjacent to the access to "quick disconnect" device. Each tag shall be legibly inscribed with the following information using letters no smaller than one-fourth inch (1/4") high:

Do not Use Tools to Separate the "Quick Disconnect" Device

(d) Gas Pipe Sizing. Gas piping systems shall be sized so that the pressure drop to any appliance inlet connection from any gas supply connection, when all appliances are in operation at maximum capacity, is not more than 0.5 inch water column as determined on the basis of test, or in accordance with Table 3B. The natural gas supply connection(s) shall be not less than th [sic.] size of the gas piping but shall not be smaller than three-fourths inch (3/4") nominal pipe size.

NOTE: For an example of how to determine the required pipe size, see the National Fuel Gas Code NFPA No. 54.

(e) Joints for Gas Pipe. All pipe joints in the piping system, unless welded or brazed, shall be threaded joints that comply with the Indiana Mechanical Code (675 IAC 18-1 [675 IAC 18-1 was repealed filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989. See 675 IAC 18-1.3.]). Right and left nipples or couplings shall not be used. Unions, if used shall be of ground joint type. The material used for welding or brazing pipe connections shall have a melting temperature in excess of 1000° F.

(f) Joints for Tubing. Joints on tubing shall be made with either a single or double flare of the proper degree, as recommended by the tubing manufacturer, by means of listed gas tubing fittings, or by being brazed with material having a melting point exceeding 1000° F.

(g) Pipe Joint Compound. Screw joints shall be made up tight with listed pipe joint compound, insoluble in liquefied petroleum gas, and shall be applied to the male threads only.

(h) Concealed Tubing. Tubing shall not be run inside walls, floors, partitions, or roofs. Where tubing passes through walls, floors, partitions, roofs, or similar installations, such tubing shall be protected by the use of weather resistant grommets that shall snugly fit both the tubing and the hole through which the tubing passes.

(i) Concealed Joints. Piping or tubing joints shall not be located in any floor, wall partition, or similar concealed construction

space.

(j) Location of Gas Supply Connection. (1) For LP-gas only systems the supply connection shall be located at the "A" frame, container recess, or in the rear half of the total length of the mobile structure and within eighteen inches (18") from the left (road) side wall, and should be as close as possible to a point thirty feet (30') from the front of the mobile structure.

(2) For combination LP-gas and natural gas systems, the natural gas supply connection shall be located under the rear half of the total length of the mobile structure and within twenty-four inches (24") of the left (road) side wall and be located as close as possible to a point thirty feet (30') from the front of the mobile structure. An additional connection, if used, shall be located at the hitch. The system shall be sized to provide adequate capacity from either supply connection for natural gas.

(k) Identification of Gas Supply Connections. Each mobile structure shall have permanently affixed to the exterior skin at or near each gas supply connection or the end of the pipe, a tag of three inches by one and three-quarter inches (3" x 1 3/4") minimum size, made of etched metal-stamped or embossed brass, stainless steel, anodized or alclad aluminum not less than 0.020 inch thick, or other approved material (e.g., 0.005 inch plastic laminates), which reads (as appropriate) in accordance with one of the following label designs depending upon the fuel used. The connector capacity indicated on this tag shall be equal to or greater than the total Btu/h rating of all intended gas appliances.

LP-Gas System

This gas piping system is designed for use of liquefied petroleum gas only.

DO NOT CONNECT NATURAL GAS TO THIS SYSTEM.

CONTAINER SHUTOFF VALVES SHALL BE CLOSED DURING TRANSIT.

When connecting to lot outlet, use a listed gas supply connector for mobile structures rated at

100,000 Btuh or more.

250,000

Before turning on gas, make certain all gas connections have been made tight, all appliance valves are turned off, and any unconnected outlets are capped.

After turning on gas, test gas piping and connections to appliances for leakage with soapy water or bubble solution, and light all pilots.

FIRE PREVENTION AND BUILDING SAFETY COMMISSION

Combination LP-Gas and Natural Gas System
 This gas piping system is designed for use of either liquefied petroleum gas or natural gas.
NOTICE: BEFORE TURNING ON GAS BE CERTAIN APPLIANCES ARE DESIGNED FOR THE GAS CONNECTED AND ARE EQUIPPED WITH CORRECT ORIFICES. SECURELY CAP THIS INLET WHEN NOT CONNECTED FOR USE.
 When connecting to lot outlet, use a listed gas supply connector for mobile structures rated at
 100,000 Btuh or more.
 250,000
 Before turning on gas, make certain all gas connections have been made tight, all appliance valves are turned off, and any unconnected outlets are capped.
 After turning on gas, test gas piping and connections to appliances for leakage with soapy water or bubble solution, and light all pilots.

TABLE NO. 3B

Maximum Capacity of Different Sizes of Pipe and Tubing in Thousands of Btu's Per Hour of Natural Gas For Gas Pressure of 0.5 Psig or Less and a Maximum Pressure Drop of 1/2 Inch Water Column

I.D.	Iron Pipe Size										O.D.	Tubing									
	Length in Feet											Length in Feet									
	10	20	30	40	50	60	70	80	90	100		10	20	30	40	50	60	70	80	90	100
3/4"	43	29	24	20	18	16	15	14	13	12	3/8"	27	18	15	13	11	10	9	9	8	8
3/8"	95	65	52	45	40	36	33	31	29	27	1/2"	56	38	31	26	23	21	19	18	17	16
1/2"	175	120	97	82	73	66	61	57	53	50	5/8"	113	78	62	53	47	43	39	37	34	33
3/4"	360	250	200	170	151	138	125	118	110	103	3/4"	197	136	109	93	83	75	69	64	60	57
1"	680	465	375	320	285	260	240	220	215	195	7/8"	280	193	155	132	117	106	98	91	85	81

PART II

Maximum Capacity of Different Sizes of Pipe and Tubing in Thousands of Btu's Per Hour of Undiluted Liquefied Petroleum Gas Based on a Maximum Pressure Drop of 1/2 Inch Water Column

I.D.	Iron Pipe Size										O.D.	Tubing									
	Length in Feet											Length in Feet									
	10	20	30	40	50	60	70	80	90	100		10	20	30	40	50	60	70	80	90	100
1/4"	67	46	37	31	28	25	23	21	20	19	3/8"	39	26	21	19	-	-	-	-	-	-
3/8"	147	101	81	70	62	56	51	48	45	42	1/2"	92	62	50	41	37	35	31	29	27	26
1/2"	275	189	152	129	114	103	96	89	83	78	5/8"	199	131	107	90	79	72	67	62	59	55
3/4"	567	393	315	267	237	217	196	185	173	162	3/4"	329	216	181	145	131	121	112	104	95	90
1"	1071	732	590	504	448	409	378	346	322	307	7/8"	501	346	277	233	198	187	164	155	146	138

(1) Gas Supply Connectors. LP-Gas. A listed LP-gas flexible connector conforming to the Indiana Mechanical Code (675 IAC 18-1 [675 IAC 18-1 was repealed filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989. See 675 IAC 18-1.3.]) or equal shall be

supplied when the fuel gas piping system is designed for the use of LP-gas and cylinder(s) and regulator(s) are supplied.

(m) Appliance Connections. All gas burning appliances shall be connected to the fuel piping. Materials as provided in this section or listed appliance connectors shall be used. Listed appliance connectors when used shall not run through walls, floors, ceilings or partitions. Connectors of aluminum shall not be used outdoors.

Exterior Appliance Connection. A mobile structure containing an LPG or combination LP-natural-gas-system may be provided with a gas outlet to supply exterior appliances when installed in accordance with the following:

- (1) No portion of the completed installation shall project beyond the wall of the mobile structure.
- (2) The outlet shall be provided with an approved "quick disconnect" device, which shall be designed to provide a positive seal on the supply side of the gas system when the appliance is disconnected. A shutoff valve shall be installed immediately upstream of the quick disconnect device. The complete device shall be provided as part of the original installation.
- (3) Protective caps or plugs for the "quick disconnect" device, when disconnected shall be permanently attached to the mobile structure adjacent to the device.
- (4) A tag shall be permanently attached to the outside of the exterior wall of the mobile structure as close as possible to the gas supply connection. The tag shall indicate the type of gas and the Btu/h capacity of the outlet and shall be legibly inscribed as follows:

THIS OUTLET IS DESIGNED FOR USE WITH GAS PORTABLE APPLIANCES WHOSE TOTAL INPUT DO NOT EXCEED _____ BTU/H. REPLACE PROTECTIVE COVERING OVER CONNECTOR WHEN NOT IN USE.

(n) Valves. Shutoff valves used in connection with gas piping shall be of a type designed and listed for use on LP-gas.

A shutoff valve shall be installed in the fuel piping outside of each gas appliance but inside the mobile structure, upstream of the union or connector in addition to any valve on the appliance. The shutoff valve shall be located within six feet (6') of a cooking appliance and within three feet (3') of any other appliance. A shutoff valve may serve more than one (1) appliance if located as required above.

(o) Gas Piping System Openings. All openings in the gas piping system shall be closed gas-tight with threaded pipe plugs or pipe caps.

(p) Electrical Ground. Gas piping shall not be used for an electrical ground.

(q) Couplings. Pipe couplings and unions shall be used to join sections of threaded piping. Right and left nipples or couplings shall not be used.

(r) Hangers and Supports. All gas piping shall be adequately supported or galvanized or equivalently protected metal straps or hangers at intervals of not more than four feet (4'), except where adequate support and protection is provided by structural members. Solid-iron-pipe gas supply connection(s) shall be rigidly anchored to a structural member within six inches (6") of the supply connection(s).

(s) Testing for Leakage. (1) Before Appliances are Connected. Piping systems shall stand a pressure of at least six inches (6") mercury or three (3) PSI gauge for a period of not less than ten (10) minutes without showing any drop in pressure. Pressure shall be measured with a mercury manometer or slope gauge calibrated so as to be read in increments of not greater than one-tenth (1/10) pound, or an equivalent device. The source of pressure shall be isolated before the pressure tests are made. Before a test is begun, the temperature of the ambient air and of the piping shall be approximately the same and constant air temperature be maintained throughout the test.

(2) After appliances are connected, the piping system shall be pressurized to not less than ten inches (10") nor more than fourteen inches (14") water column and the appliance connections tested for leakage with soapy water or bubble solution. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-76; filed Mar 25, 1986, 1:44 pm: 9 IR 2005, eff Jun 15, 1986; errata, 9 IR 2931; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-77 Oil piping systems

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 77. (a) General. The requirements of this section shall govern the installation of all liquid fuel piping attached to any mobile structure. None of the requirements listed in this section shall apply to the piping in the appliance(s).

(b) Materials. All materials used for the installation extension, alteration, or repair, of any oil piping system shall be new and free from defects or internal obstructions. The system shall be made of materials having a melting point of not less than 1450° F., unless otherwise specified in this section. They shall consist of one or more of the materials described in (b)(1) through (b)(4).

(1) Steel or wrought-iron pipe shall comply with the Indiana Mechanical Code (675 IAC 18-1 [675 IAC 18-1 was repealed filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989. See 675 IAC 18-1.3.J]). Threaded copper or brass pipe in iron pipe sizes may be used.

(2) Fittings for oil piping shall be wrought iron, malleable iron, steel, or brass (containing not more than seventy-five percent (75%) copper).

(3) Copper tubing shall be annealed type, Grade K or L conforming to the Indiana Mechanical Code (675 IAC 18-1 [675 IAC 18-1 was repealed filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989. See 675 IAC 18-1.3.J]).

(4) Steel tubing shall have a minimum wall thickness of 0.032 inch diameters up to one-half inch (1/2") and 0.049 inch for diameters one-half inch (1/2") and larger. Steel tubing shall be constructed in accordance with the Indiana Mechanical Code (675 IAC 18-1 [675 IAC 18-1 was repealed filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989. See 675 IAC 18-1.3.J]).

(c) Size of Oil Pippings. The minimum size of all fuel oil tank piping connecting outside tanks to the appliance shall be no smaller than three-eighths inch (3/8") OD copper tubing or one-fourth inch (1/4") IPS. If No. 1 fuel oil is used with a listed automatic pump (fuel lifter), copper tubing shall be sized as specified by the pump manufacturer.

(d) Joints for Oil Piping. All pipe joints in the piping system, unless welded or brazed, shall be threaded joints which comply with the Indiana Mechanical Code (675 IAC 18-1 [675 IAC 18-1 was repealed filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989. See 675 IAC 18-1.3.J]). The material used for brazing pipe connections shall have a melting temperature in excess of 1000° F.

(e) Joints for Tubing. Joints in tubing shall be made with either a single or double flare of the proper degree, as recommended by the tubing manufacturer, by means of listed tubing fittings, or brazed with materials having a melting point in excess of 1000° F.

(f) Pipe Joint Compound. Threaded joints shall be made up tight with listed pipe joint compound which shall be applied to the male threads only.

(g) Couplings. Pipe couplings and unions shall be used to join sections of threaded pipe. Right and left nipples or couplings shall not be used.

(h) Grade of Piping. Fuel oil piping installed in conjunction with gravity feed systems to oil heating equipment shall slope in a gradual rise upward from a central location to both the oil tank and the appliance in order to eliminate air locks.

(i) Strap Hangers. All oil piping shall be equivalently protected metal straps or hangers at intervals of not more than four feet (4'), except where adequate support and protection is provided by structural members. Solid-iron-pipe oil supply connection(s) shall be rigidly anchored to a structural member within six inches (6") of the supply connection(s).

(j) Testing for Leakage. Before setting the system in operation, tank installation and piping shall be checked for oil leaks with fuel oil of the same grade that will be burned in the appliance. No other material shall be used for testing fuel oil tanks and piping. Tanks shall be filled to maximum capacity for the final check for oil leakage. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-77; filed Mar 25, 1986, 1:44 pm: 9 IR 2008, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-78 General appliance standards

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 78. (a) Heat-producing appliances and vents, roof jacks and chimneys necessary for their installation in mobile structures shall be listed or certified by a nationally recognized testing agency for use in manufactured homes. Air conditioning units, combination air conditioning and heating units shall be listed or certified by a nationally recognized testing agency for the application for which the unit is intended.

(b) Fuel-burning heat-producing appliances and refrigeration appliances, except ranges and ovens, shall be of the vented type and vented to the outside.

(c) Fuel-burning appliances shall not be converted from one fuel to another fuel unless converted in accordance with the terms of their listing and the appliance manufacturer's instructions.

(d) Gas-fired absorption comfort-cooling units shall meet all the requirements of American National Standard for Gas-Fired Absorption Summer Air Conditions [*sic.*] Appliances.

(e) Mechanical comfort-cooling units shall meet all the requirements of the Standard for Unitary Air Conditioning Equipment.

(f) Direct refrigeration systems serving any air conditioning or comfort-cooling system installed in a mobile structure shall conform to the Indiana Mechanical Code (675 IAC 18-1 [675 IAC 18-1 was repealed filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff

Jan 2, 1989. See 675 IAC 18-1.3.J). (Fire Prevention and Building Safety Commission; 675 IAC 15-2-78; filed Mar 25, 1986, 1:44 pm; 9 IR 2009, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)

675 IAC 15-2-79 Gas clothes dryers

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 79. (a) Gas clothes dryers shall be exhausted to the outside by a moisture-lint exhaust duct and termination fitting listed or certified as components of the dryer.

(b) A clothes dryer moisture-lint exhaust duct shall not be connected to any other duct, vent or chimney.

(c) The exhaust duct shall not terminate beneath the mobile structure.

(d) Moisture-lint exhaust ducts shall not be connected with sheet metal screws or other fastening devices which extend into the interior of the duct.

(e) Gas Clothes Dryer Stub in Requirements. A mobile structure may be provided with "stubbed in" equipment at the factory to supply a gas clothes dryer for future installation by the owner provided it complies with the following provisions:

(1) The "stubbed in" gas outlet shall be provided with a shutoff valve, the outlet of which is closed by threaded pipe plug or cap.

(2) The "stubbed in" gas outlet shall be permanently labeled to identify it for use only as the supply connection for a gas clothes dryer.

(3) A moisture-lint exhaust duct system shall be roughed in by the manufacturer at the time of original installation. The moisture-lint exhaust system shall comply with the provisions of (a) through (d).

(Fire Prevention and Building Safety Commission; 675 IAC 15-2-79; filed Mar 25, 1986, 1:44 pm; 9 IR 2009, eff Jun 15, 1986; errata, 9 IR 2931; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)

675 IAC 15-2-80 Installation of appliances

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 80. (a) The installation of each appliance shall conform to the terms of its listing and the manufacturer's instructions. The installer shall leave the manufacturer's instructions attached to the appliance. Every appliance shall be secured in place to avoid displacement.

(b) All fuel-burning appliances, except ranges, ovens, illumination appliances, clothes dryers, solid fuel-burning fireplaces and solid fuel-burning fireplace stoves, shall be installed to provide for the complete separation of the combustion system from the interior atmosphere of the mobile structure. Combustion air inlets and flue gas outlets shall be listed or certified as components of the appliance. The required separation may be obtained by:

(1) the installation of direct vent system (sealed combustion system) appliances, or

(2) the installation of appliances within enclosures so as to separate the appliance combustion system and venting system from the interior atmosphere of the mobile structure. There shall not be any door, removable access panel, or other opening into the enclosure from the inside of the mobile structure. Any opening for ducts, piping, wiring, etc., shall be sealed.

(c) A forced air appliance and its return-air system shall be designed and installed so that negative pressure created by the air-circulating fan cannot affect its or another appliance's combustion air supply or act to mix products of combustion with circulating air.

(1) The air circulating fan of a furnace installed in an enclosure with another fuel-burning appliance shall be operable only when any door or panel covering an opening in the furnace fan compartment or in a return air plenum or duct is in the closed position.

NOTE: This does not apply if both appliances are direct vent system (sealed combustion system) appliances.

(2) If a warm air appliance is installed within an enclosure to conform to (b)(2), each warm-air outlet and each return air inlet shall extend to the exterior of the enclosure. Ducts, if used for that purpose, shall not have any opening within the enclosure and shall terminate at a location exterior to the enclosure.

(3) Cooling coils installed as a portion of, or in connection with, any forced-air furnace shall be installed on the downstream side unless the furnace specifically otherwise listed.

(4) A cooling coil shall not be located in the air discharge duct or plenum of any forced-air furnace unless such furnace is listed for use with a cooling coil or listed for operation at not less than 0.5 inch water column external static pressure.

(5) If a cooling coil is installed within a forced-air furnace, the coil shall be listed for use with that furnace in the manner so installed or be approved for such use.

(d) Vertical Clearance Above Gas Cooking Top. Gas ranges shall have a vertical clearance above the cooking top of not less than thirty inches (30") to combustible material or metal cabinets except the clearance may be reduced to not less than twenty-four inches (24") as follows:

(1) the underside of the combustible material or metal cabinet above the cooking top is protected with asbestos millboard at least one-fourth inch (1/4") thick covered with sheet metal not lighter than No. 28 manufacturer's standard gauge, or,

(2) a metal ventilating hood of not lighter than No. 28 manufacturer's standard gauge sheet metal is installed above the cooking top with a clearance of not less than one-fourth inch (1/4") between the cabinet and the hood is at least as wide as the range is and is centered over the range.

(e) Solid fuel-burning factory-built fireplaces and fireplace stoves listed for use in manufactured homes may be installed in mobile structures provided they and their installation conform to (e)(1). A fireplace or fireplace stove shall be considered as a heating facility for determining compliance with 675 IAC 15-2-20.

(1) A solid fuel-burning fireplace or fireplace stove shall be equipped with integral door(s) or shutter(s) designed to close the fireplace or fireplace stove fire chamber opening and shall include complete means for venting through the roof, a combustion air inlet, a hearth extension, and means to securely attach the fireplace or the fireplace stove to the mobile structure. The installation shall conform to the following:

(A) A listed factory-built chimney designed to be attached directly to the fireplace or fireplace stove shall be used. The listed factory-built chimney shall be equipped with and contain as part of its listing a termination device(s) and a spark arrester(s).

(B) A fireplace or fireplace stove, air intake assembly, hearth extension and the chimney shall be installed in accordance with the terms of their listings and their manufacturer's instructions.

(C) The combustion air inlet shall conduct the air directly into the fire chamber and shall be designed to prevent material from the hearth dropping onto the area beneath the mobile structure.

(D) The fireplace or fireplace stove shall not be installed in a sleeping room.

(E) Hearth extension shall be of noncombustible material not less than three-eighths inch (3/8") thick. The hearth shall extend at least sixteen inches (16") in front of and at least eight inches (8") beyond each side of the fireplace or fireplace stove opening. Furthermore the hearth shall extend over the entire surface beneath a fireplace stove and beneath an elevated or overhanging fireplace.

(F) The label on each solid fuel-burning fireplace and solid fuel-burning fireplace stove shall include the following wording: For use with solid fuel only.

(G) The chimney shall extend at least three feet (3') above the part of the roof through which it passes and at least two feet (2') above the highest elevation of any part of the mobile structure within ten feet (10') of the chimney. Portions of the chimney and termination that exceed an elevation of thirteen feet and six inches (13' 6") above ground level may be designed to be removed for transporting the mobile structure.

(2) The venting shall be accomplished by one or more of the following methods:

(A) An integral vent system listed or certified as part of the appliance.

(B) A venting system consisting entirely of listed components, including roof jack, installed in accordance with the terms of the appliance listing and the appliance manufacturer's instructions.

(3) Venting and combustion air systems shall be installed in accordance with the following:

(A) Components shall be securely assembled and properly aligned using the methods shown in the appliance manufacturer's instructions.

(B) Draft hood connectors shall be firmly attached to draft hood outlets or flue collars by sheet metal screws or by equivalent effective mechanical fasteners.

(C) Every joint of a vent, vent connector, exhaust duct and combustion air intake shall be secure and in alignment.

(4) Venting systems shall not terminate underneath a mobile structure.

(5) Venting system terminations shall be not less than three feet (3') from any motor-driven air intake discharging into habitable areas.

(6) The area in which cooking appliances are located shall be ventilated by a metal duct which may be single wall, not less than twelve and one-half (12 1/2) square inches in cross-sectional area (minimum dimension shall be two inches (2")) located above the appliance(s) and terminating outside the mobile structure, or by listed mechanical ventilating equipment discharging outside the structure, that is installed in accordance with the terms of listing and the manufacturer's instructions. Gravity or mechanical ventilation

shall be installed within a horizontal distance of not more than ten feet (10') from the vertical front of the appliance(s).

(7) Mechanical ventilation which exhausts directly to the outside atmosphere from the interior space of a structure shall be equipped with an automatic or manual damper. Operating controls shall be provided such that mechanical ventilation can be separately operated without directly energizing other energy consuming devices.

(Fire Prevention and Building Safety Commission; 675 IAC 15-2-80; filed Mar 25, 1986, 1:44 pm; 9 IR 2010, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)

675 IAC 15-2-81 Venting and combustion air systems

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 81. (a) The venting as required by 675 IAC 15-2-78(b) shall be accomplished by one or more of the methods given in (a)(1) and (a)(2) below:

(1) An integral vent system listed or certified as part of the appliance.

(2) A venting system consisting entirely of listed components, including roof jack, installed in accordance with the terms of the appliance listing and the appliance manufacturer's instructions (see 675 IAC 15-2-80(b)).

(b) Venting and combustion air systems shall be installed in accordance with the following:

(1) Components shall be securely assembled and properly aligned using the method shown in the appliance manufacturer's instructions.

(2) Draft hood connectors shall be firmly attached to draft hood outlets of flue collars by sheet metal screws or by an equivalent means.

(3) Every joint of a vent, vent connector, exhaust duct and combustion air intake shall be secure and in alignment.

(c) Venting systems shall not terminate underneath a mobile structure.

(d) Venting system terminations shall be not less than three feet (3') from any motor-driven air intake discharging into habitable areas.

(e) The area in which cooking appliances are located shall be ventilated by a metal duct which may be single wall, not less than 12.5 square inches in cross-sectional area (minimum dimension shall be two inches (2") located above the appliance(s) and terminating outside the mobile structure, or by listed mechanical ventilating equipment that is installed in accordance with the terms of listing and the manufacturer's instructions. Gravity or mechanical ventilation shall be installed within a horizontal distance of not more than ten feet (10') from the vertical front of the appliance(s). *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-81; filed Mar 25, 1986, 1:44 pm; 9 IR 2012, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-82 Operating instructions

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 82. Operating instructions shall be provided with appliances. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-82; filed Mar 25, 1986, 1:44 pm; 9 IR 2012, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-83 Appliance information

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 83. Information on clearances, input rating, lighting and shutdown shall be attached to the appliances with the same permanence as the nameplate, and so located that it is easily readable when the appliance is properly installed. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-83; filed Mar 25, 1986, 1:44 pm; 9 IR 2012, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-84 Access to appliances

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 84. Every appliance shall be accessible for inspection, service, repair, and replacement without removing permanent construction. Sufficient room shall be available to enable the operator to observe the burner, control, and ignition means while starting the appliance. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-84; filed Mar 25, 1986, 1:44 pm: 9 IR 2012, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-85 Location of appliances

Authority: IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 85. Heat-producing appliances shall be so located that no doors, drapes, or other such material can be placed or swung closer to the front of the appliance than the clearances specified on the labeled appliances. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-85; filed Mar 25, 1986, 1:44 pm: 9 IR 2012, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-86 Clearances

Authority: IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 86. Clearances between heat-producing appliances and adjacent surfaces shall not be less than specified in the terms of their listing. Clearance spaces shall be framed in or guarded to prevent creation of storage space within the clearance specified. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-86; filed Mar 25, 1986, 1:44 pm: 9 IR 2012, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-87 Circulating air system

Authority: IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 87. (a) Supply systems shall be as follows:

(1) Supply ducts and any dampers contained therein shall be made from galvanized steel, tinplated steel, or aluminum, or shall be listed Class 0, Class 1, Class 2 air ducts. Class 2 air ducts shall be located at least three feet (3') from the furnace bonnet or plenum. A duct system integral with the structure shall be of durable construction that can be demonstrated to be equally resistant to fire and deterioration. Ducts constructed from sheet metal shall be in accordance with the following Table No. 4B.

TABLE NO. 4B

Minimum Metal Thickness for Ducts*

Duct Type	Diameter or Width	
	14 inches or less	over 14 inches
Round	0.013 in.	0.016 in.
Enclosed Rectangular	0.013 in.	0.016 in.
Exposed Rectangular	0.016 in.	0.019 in.

*When "nominal" thickness is specified, 0.003 inch shall be added to these "minimum" metal thicknesses.

(2) Sizing of Ducts. Ducts shall be designed so that when a labeled forced-air furnace is installed and operated continually at its normal input rating in the mobile structure, with all registers in full open position, the static pressure measured in the duct plenum shall not exceed that shown in Table No. 4B or exceed that shown on the label of the appliance. When an air-cooler coil is installed between the furnace and the duct plenum, the total static pressure between the furnace and the coil shall not exceed that shown on the label of the furnace. The minimum dimension of any branch duct shall be at least one and one-half inches (1 1/2"), and of any main duct, two and one-half inches (2 1/2").

(3) Airtightness of Supply Duct Systems. A supply duct system shall be considered substantially airtight when the static pressure in the duct system, with all registers sealed and with the furnace air circulator at high speed, is at least eighty percent (80%) of the static pressure measured in the furnace casing, with its outlets sealed and the furnace air circulator operating at

high speed. For the purpose of this subdivision and (b), pressures shall be measured with a water manometer or equivalent device calibrated to read in increments not greater than one-tenth inch (1/10") water column.

TABLE NO. 5B

Maximum Allowable Static Pressures in Supply Duct Systems		
Input to Forced-Air Furnace, Btu/hr	External Static Pressure Inches Water Column Measured at the Furnace Outlet	
	Temperature of Outlet Air Determined by Function of Limit Control	
	Above 165° F	165° F or Less
55,000 and under	0.10	0.20
Over 55,000 to 80,000	0.10	0.24
Over 80,000 to 100,000	0.15	0.30

(4) Expandable or Multiple Mobile Structure Connections. An expandable or multiple structure may have ducts of the heating system installed in the various units. The points of connection must be so designed and constructed that when the mobile structure is fully expandable or coupled, the resulting duct joint will conform to the requirements of this section.

(5) Air supply ducts that are not located within the heated side of the mobile structure insulation having an R factor of at least four (4) shall be insulated.

(6) Supply ducts within the mobile structure but not within insulation described in (a)(5) shall be insulated with rigid insulation having a thermal insulation (R) not less than 2.5 or flexible insulation having a thermal insulation (R) not less than three (3) with a continuous vapor barrier having a perm rating of not more than 1.0.

(7) Supply ducts exposed directly to outside air, such as under chassis crossover ducts, shall be insulated with material having a thermal insulation (R) of not less than 4.0 with continuous vapor barrier having a perm rating of not more than 1.0.

(8) Aluminum foil used as a vapor barrier shall be at least two (2) mils in thickness.

(b) Return air systems shall be as follows:

(1) Return Air Openings. Provisions shall be made to permit the return of circulating air from all rooms and living spaces, except toilet room(s) and kitchen, to the circulating air supply inlet of the furnace.

(2) Duct Material. Return ducts and any diverting dampers contained therein shall be in accordance with the following:

(A) Portions of return ducts directly above the heating surfaces, or closer than two (2) feet from the outer jacket or casing of the furnace shall be constructed of metal in accordance with Table No. 4B of this section or shall be listed Class 0 or Class 1 air ducts.

(B) Return ducts, except as required by (a) above, shall be constructed of one inch (1") (nominal) wood boards (flame spread classification of not more than 200), other suitable material no more flammable than one inch (1") board or in accordance with (a).

(C) The interior of combustible ducts shall be lined with noncombustible material at points where there might be danger from incandescent particles dropped through the register or furnace such as directly under floor registers and the bottom of vertical ducts or directly under furnaces having a bottom return.

(3) Sizing. The cross-sectional areas of the return air duct shall not be less than two (2) square inches for each one thousand (1,000) Btu/hour input rating of the appliance. Dampers shall not be placed in any return air duct, except that a diverting damper may be placed in a combination fresh air intake and return air duct so arranged that the required cross-sectional area will not be reduced at all possible positions of the damper.

(4) Permanent Unclosable Opening. Areas not served by return air ducts or closed off from the return opening of the furnace by doors, sliding partitions or other means shall be provided with permanent unclosable openings in the doors or separating partitions to allow circulated air to return to the furnace. Such openings may be grilled or louvered. The net free area of each opening shall be not less than one (1) square inch for every five (5) square feet of total living area closed off from the furnace by the door or partition serviced by that opening. Undercutting doors connecting the closed-off space may be used as a means of providing return air area. However, in the event that doors are undercut, they shall be undercut a minimum of two inches (2") and not more than two and one-half inches (2 1/2"), and no more than one-half [sic.] (1/2") of the free air area so provided shall be counted as return air area.

(c) Joints and Seams. Joints and seams of ducts shall be securely fastened and made substantially airtight. Slip joints shall have a lap of at least one inch (1") and shall be individually fastened. Tape or caulking compound may be used for sealing mechanically

secure joints. Where used, tape or caulking compound shall not be subject to deterioration under long exposures to temperatures up to 200° F. and to conditions of high humidity, excessive moisture, or mildew.

(d) Supports. Ducts shall be securely supported.

(e) Registers or Grills. Fittings connecting the registers or grills to the ducts system shall be constructed of metal or material which complies with the requirements of Class 1 or 2 ducts as stated in the Indiana Mechanical Code (675 IAC 18-1 [675 IAC 18-1 was repealed filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989. See 675 IAC 18-1.3.]). Registers or grills shall be constructed of metal or conform with the Indiana Mechanical Code (675 IAC 18-1 [675 IAC 18-1 was repealed filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989. See 675 IAC 18-1.3.]).

Floor registers or grills shall resist without structural failure a two hundred (200) pound concentrated load on a two inch (2") diameter disc applied to the most critical area of the exposed face of the register or grill. For this test the register or grill is to be at a temperature of not less than 165° F. and is to be supported in accordance with the manufacturer's instructions. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-87; filed Mar 25, 1986, 1:44 pm: 9 IR 2012, eff Jun 15, 1986; errata, 9 IR 2931; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-88 Scope of electrical standards

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 88. (a) The provisions of 675 IAC 15-2-88–675 IAC 15-2-104 and Part A of Article 550 of the Indiana Electrical Code (675 IAC 17-1 [675 IAC 17-1 was repealed filed Feb 17, 1987, 3:15 p.m.: 10 IR 1389, eff Mar 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #86-153 was filed Feb 17, 1987.].]) cover the electrical conductors of mobile structures.

(b) A mobile structure not intended as a dwelling unit, as for example, equipped for sleeping purposes only, contractor's on-site offices, construction job dormitories, mobile studio dressing rooms, banks, clinics, mobile stores or intended for display or demonstration of merchandise or machinery, shall not be required to meet the provisions of this section pertaining to the number or capacity of circuits required. It shall, however, meet all other applicable requirements of this section if provided with an electrical installation intended to be energized from a 115-volt or 115/230-volt AC power supply system.

(c) The provisions of this section apply to mobile structures intended for connection to a wiring system nominally rated 115/230-volts, 3-wire AC, grounded neutral.

(d) In addition to the requirements of this section and Article 550 of the Indiana Electrical Code (675 IAC 17-1 [675 IAC 17-1 was repealed filed Feb 17, 1987, 3:15 p.m.: 10 IR 1389, eff Mar 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #86-153 was filed Feb 17, 1987.].]), the applicable portions of other articles of the Indiana Electrical Code (675 IAC 17-1 [675 IAC 17-1 was repealed filed Feb 17, 1987, 3:15 p.m.: 10 IR 1389, eff Mar 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #86-153 was filed Feb 17, 1987.].]) shall be followed covering electrical installations in mobile structures.

EXCEPTION: Wherever the requirements of this section differ from articles other than Article 550 of the Indiana Electrical Code (675 IAC 17-1 [675 IAC 17-1 was repealed filed Feb 17, 1987, 3:15 p.m.: 10 IR 1389, eff Mar 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #86-153 was filed Feb 17, 1987.].]), this section and Article 550 [675 IAC 17-1 was repealed filed Feb 17, 1987, 3:15 p.m.: 10 IR 1389, eff Mar 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #86-153 was filed Feb 17, 1987.].] shall apply.

(*Fire Prevention and Building Safety Commission; 675 IAC 15-2-88; filed Mar 25, 1986, 1:44 pm: 9 IR 2014, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-89 Definitions for electrical standards

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 89. “Accessible (as applied to equipment)” means admitting close approach because not guarded by locked doors, elevation, or other effective means (see “readily accessible”).

“Accessible (as applied to writing [*sic.*] methods)” means capable of being removed or exposed without damaging the mobile

structure or its finish, or not permanently closed-in by the structure or the finish of the mobile structure (see “concealed” and “exposed”).

“Air conditioning or comfort cooling equipment” means all of that equipment intended or installed for the purpose of processing the treatment of air so as to control simultaneously its temperature, humidity, cleanliness, and distribution to meet the requirements of the conditioned space.

“Appliance, fixed” means an appliance which is fastened or otherwise secured at a specific location.

“Appliance, portable” means an appliance which is actually moved or can easily be moved from one place to another in normal use.

NOTE: For the purpose of this code use the following major appliances other than built-in are considered portable if cord-connected: refrigerators, gas range equipment, clothes washers, dishwashers without booster heaters, or other similar appliances.

“Appliance, stationary” means an appliance which is not easily moved from one place to another in normal use.

“Attachment plug (plug cap)” means a device which, by insertion in a receptacle, establishes connection between the conductors of the attached flexible cord and the conductors connected permanently to the receptacle.

“Bonding” means the permanent joining of metallic parts to form an electrically conductive path which will assure electrical continuity and the capacity to conduct safely any current likely to be imposed.

“Branch circuit” means the circuit conductors between the final over-current device protecting the circuit and the outlet(s).

NOTE: A device not approved for branch circuit protection, such as a thermal cut-out or motor overload protective device, is not considered as the overcurrent device protecting the circuit.

“Branch circuit–appliance” means a branch circuit supplying energy to one or more outlets to which appliances are to be connected; such circuits to have no permanently connected lighting fixtures not a part of an appliance.

“Branch circuit–general purpose” means a branch circuit that supplies a number of outlets for lighting and appliances.

“Cabinet” means an enclosure designed either for surface or flush mounting, and provided with a frame, mat, or trim in which swinging doors are hung.

“Circuit breaker” means a device designed to open and close a circuit by nonautomatic means, and to open the circuit automatically on a predetermined overload of current without injury to itself when properly applied within its rating.

“Concealed” means rendered inaccessible by the structure or finish of the mobile structure. Wires in concealed raceways are considered concealed, even though they may become accessible by withdrawing them. (See “accessible as applied to wiring methods”).

“Connector pressure (solderless)” means a device that establishes a connection between two or more conductors or between one or more conductors and a terminal by means of mechanical pressure and without the use of solder.

“Dead front (as applied to switches, circuit-breakers, switchboards, and distribution panelboard)” means so designed, constructed, and installed that no current-carrying parts are normally exposed.

“Demand factor” means the ratio of the maximum demand of a system, or part of a system, to the total connected load of a system, or the part of the system under consideration.

“Device” means a unit of an electrical system that is intended to carry but not utilize electrical energy.

“Disconnecting means” means a device, or group of devices, or other means by which the conductors of a circuit can be disconnected from their source of supply.

“Enclosed” means surrounded by a case that will prevent a person from accidentally contacting live parts.

“Equipment” means a general term, including material, fittings, devices, appliances, fixtures, apparatus, and the like used as a part of, or in connection with, an electrical installation.

“Exposed (as applied to live parts)” means capable of being inadvertently touched or approached nearer than a safe distance by a person. It is applied to parts not suitably guarded, isolated, or insulated (see “accessible” and “concealed”).

“Exposed (as applied to wiring method)” means on or attached to the surface or behind panels designed to allow access (see “accessible as applied to wiring methods”).

“Externally operable” means capable of being operated without exposing the operator to contact with live parts.

“Feeder assembly” means the overhead or underchassis feeder conductors, including the grounding conductor, together with the necessary fittings and equipment, or a power supply cord approved for mobile structure use, designed for the purpose of delivering energy from the source of electrical supply to the distribution panel board within the mobile structure.

“Fitting” means an accessory, such as a locknut, bushing, or other part of a wiring system, that is intended primarily to perform a mechanical rather than an electrical function.

“Ground” means a conducting connection, whether intentional or accidental, between an electrical circuit or equipment and earth, or to some conducting body that serves in place of the earth.

“Grounded” means connected to earth or to some conducting body that serves in place of the earth.

“Grounded conductor” means a system or circuit conductor that is intentionally grounded.

“Grounding conductor” means a conductor used to connect equipment or the grounded circuit of a wiring system to a grounding electrode or electrodes.

“Guarded” means covered, shielded, fenced, enclosed, or otherwise protected by means of suitable covers, casings, barriers, rails, screens, mats or platforms to remove the likelihood of approach or contact by persons or objects to a point of danger.

“Isolated” means not readily accessible to persons unless special means for access are used.

“Lighting outlet” means an outlet intended for the direct connection of a lampholder, a lighting fixture, or a pendant cord terminating in a lampholder.

“Outlet” means a point on the wiring system at which current is taken to supply utilization equipment.

“Panelboard” means a single panel or group of panel units designed for assembly in the form of a single panel; including buses, automatic overcurrent protective devices, and with or without switches for the control of light, heat, or power circuits; designed to be placed in a cabinet or cutout box placed in or against a wall or partition and accessible only from the front.

“Raceway” means an enclosed channel designed expressly for holding wires, cables, or busbars with additional functions as permitted in this code.

NOTE: Raceways may be of metal or insulating material, and the term includes rigid metal conduit, rigid nonmetallic conduit, intermediate metal conduit, liquidtight flexible metal conduit, flexible metallic tubing, flexible metal conduit, electrical nonmetallic tubing, electrical metallic tubing, underfloor raceways, cellular concrete floor raceways, cellular metal floor raceways, surface raceways, wireways, and busways.

“Raintight” means so constructed or protected that exposure to a beating rain will not result in the entrance of water under specified test conditions.

“Readily accessible” means capable of being reached quickly for operation, renewal, or inspections, without requiring those to whom ready access is requisite to climb over or remove obstacles or to resort to portable ladders, chairs, etc. (see “accessible”).

“Receptacle” means a contact device installed at the outlet for the connection of a single attachment plug.

NOTE: A single receptacle is a single contact device with no other contact device on the same yoke. A multiple receptacle is a single device containing two or more receptacles.

“Receptacle outlet” means an outlet where one or more receptacles are installed.

“Utilization equipment” means equipment which utilizes electric energy for mechanical, chemical, heating, lighting, or similar purposes.

“Voltage (of a circuit)” means the greatest root-mean-square (effective) difference of potential between any two (2) conductors of the circuit concerned.

NOTE: Some systems, such as three-phase four-wire, and three-wire direct-current may have various circuits of various voltages.

“Weatherproof” means so constructed or protected that exposure to the weather will not interfere with successful operation.

NOTE: Rainproof, raintight, or watertight equipment can fulfill the requirements for weatherproof where varying weather conditions other than wetness, such as snow, ice, dust, or temperature extremes, are not a factor.

(Fire Prevention and Building Safety Commission; 675 IAC 15-2-89; filed Mar 25, 1986, 1:44 pm; 9 IR 2015, eff Jun 15, 1986; errata, 9 IR 2931; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)

675 IAC 15-2-90 Power supply

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 90. (a) The mobile structure service equipment shall be located adjacent to the mobile structure and not mounted in or on the mobile structure. The power supply to the mobile structure shall be a feeder assembly consisting of not more than one (1) mobile home power-supply cord rated fifty (50) amperes, or a permanently installed circuit.

EXCEPTION: A mobile structure that is factory-equipped with gas or oil-fired central heating equipment and cooking appliances shall be permitted to be provided with a mobile or manufactured home power-supply cord rated forty (40) amperes.

(b) If the mobile structure has a power-supply cord, it shall be permanently attached to the distribution panelboard or to a

junction box permanently connected to the distribution panelboard, with the free end terminating in an attachment plug cap.

(c) Cord with adapters and pigtail ends, extension cord, and similar items shall not be attached to, or shipped with, a mobile structure.

(d) A suitable clamp or the equivalent shall be provided at the distribution panelboard knockout to afford strain relief for the cord to prevent strain from being transmitted to the terminals when the power-supply cord is handled in its intended manner.

(e) The cord shall be of an approved type with four (4) conductors, one (1) of which shall be identified by a continuous green color or a continuous green color with one (1) or more yellow stripes for use as the grounding conductor.

(f) The attachment plug cap shall be a 3-pole, 4-wire grounding type, rated fifty (50) amperes 125/250 volts with a configuration and intended for use with the fifty (50) ampere, 125/250 receptacle configuration. It shall be molded of butyl rubber, neoprene, or other approved materials which have been found suitable for the purpose and shall be molded to the flexible cord so that it adheres tightly to the cord at the point where the cord enters the attachment-plug cap. If a right angle cap is used, the configuration shall be so oriented that the grounding member is farthest from the cord.

NOTE: Complete details of the 50-ampere cap and receptacle can be found in the Indiana Electrical Code (675 IAC 17-1 [675 IAC 17-1 was repealed filed Feb 17, 1987, 3:15 p.m.: 10 IR 1389, eff Mar 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #86-153 was filed Feb 17, 1987.J.J).

(g) The overall length of a power-supply cord, measured from the end of the cord including bared leads, to the face of the attachment-plug cap shall not be less than twenty-one feet (21') and shall not exceed thirty-six and one-half feet (36 1/2'). The length of cord from the face of the attachment-plug cap to the point where the cord enters the mobile structure shall not be less than twenty feet (20').

(h) The power-supply cord shall bear the following marking: "For use with mobile homes—40-amperes" or "For use with mobile or manufactured homes—50 amperes."

(i) The point of entrance of the feeder assembly to the mobile structure shall be in the exterior wall, floor, or roof.

(j) Where the calculated load exceeds fifty (50) amperes or where a permanent feeder is used, the supply shall be by means of:

(1) one (1) mast weatherhead installation in accordance with Article 230 of the Indiana Electrical Code (675 IAC 17-1 [675 IAC 17-1 was repealed filed Feb 17, 1987, 3:15 p.m.: 10 IR 1389, eff Mar 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #86-153 was filed Feb 17, 1987.J.J), containing four (4) continuous insulated, color-coded feeder conductors, one (1) of which shall be an equipment grounding conductor; or

(2) a metal raceway from the disconnecting means in the mobile structure to the underside of the mobile structure with provisions for the attachment of a suitable junction box or fitting to the raceway on the underside of the mobile structure (with or without conductors as in (j)).

(Fire Prevention and Building Safety Commission; 675 IAC 15-2-90; filed Mar 25, 1986, 1:44 p.m.: 9 IR 2017, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)

675 IAC 15-2-91 Disconnecting means and branch-circuit protective equipment

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 91. (a) The branch-circuit equipment shall be permitted to be combined with the disconnecting means as a single assembly. Such a combination shall be permitted to be designed as a distribution panelboard. If a fused distribution panelboard is used, the maximum fuse size for the mains shall be plainly marked with lettering at least one-fourth inch (1/4") high and visible when fuses are changed.

NOTE: See Section 110-22 of the Indiana Electrical Code (675 IAC 17-1 [675 IAC 17-1 was repealed filed Feb 17, 1987, 3:15 p.m.: 10 IR 1389, eff Mar 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #86-153 was filed Feb 17, 1987.J.J) concerning identification of each disconnecting means and service, feeder, or branch circuit at the point where it originated and the type marking needed.

(b) When using plug fuses and fuseholders they shall be tamper-resistant, Type "S", enclosed in deadfront fuse panelboards. Electric distribution panelboard containing circuit breakers shall also be deadfront type.

(c) A single disconnecting means shall be provided in each mobile structure consisting of a circuit breaker, or a switch and

fuses and its accessories installed in a readily accessible location near the point of entrance of the supply cord or conductors into the mobile structure. The main circuit breakers or fuses shall be plainly marked "main". This equipment shall contain a solderless type of grounding connector or bar for the purposes of grounding with sufficient terminals for all grounding conductors. The neutral bar termination of the grounded circuit conductors shall be insulated.

(d) The disconnecting equipment shall have a rating suitable for the connected load. The distribution equipment, either circuit breaker of fused type, shall be located a minimum of twenty-four inches (24") from the bottom of such equipment to the floor level of the mobile structure. There shall be a label attached to the panelboard stating:

"THIS PANELBOARD SHALL BE CONNECTED BY A FEEDER ASSEMBLY HAVING OVERCURRENT PROTECTION RATED AT NOT MORE THAN _____ AMPERES"

(e) A distribution panelboard main circuit breaker shall be rated fifty (50) amperes and employ a two (2) pole circuit breaker rated forty (40) amperes for a forty (40) ampere supply cord, or fifty (50) amperes for a fifty (50) ampere supply cord. A distribution panelboard employing a disconnect switch and fuses shall employ a single two (2) pole, sixty (60) ampere fuseholder with forty (40) or fifty (50) ampere supply cord, respectively. The outside of the distribution panelboard shall be plainly marked with the fuse size.

(f) The distribution panelboard shall be located in an accessible location. Shall not be located in a bathroom/restroom and shall be permitted to be located just inside a closet entry if the location is such that a clear space of six inches (6") to easily ignitable materials is maintained in front of the distribution panelboard, and the distribution panelboard door can be extended to its full open position (at least ninety (90) degrees). A clear working space at least thirty inches (30") wide and thirty inches (30") in front of the distribution panelboard shall be provided. This space shall extend from floor to the top of the distribution panelboard.

(g) Branch-circuit distribution equipment shall be installed in each mobile structure and shall include overcurrent protection for each branch circuit consisting of either circuit breakers or fuses.

(h) The branch circuit overcurrent devices shall be rated:

(1) not more than the circuit conductors; and

(2) not more than one hundred fifty percent (150%) of the rating of a single appliance rated thirteen and three-tenths (13.3) amperes or more which is supplied by an individual branch circuit; but

(3) not more than the fuse size marked on the air conditioner or other motor operated appliance.

(i) A fifteen (15) ampere multiple [sic.] receptacle shall be acceptable when connected to a twenty (20) ampere laundry circuit.

(j) When circuit breakers are provided for branch-circuit protection, two hundred thirty (230) volt circuits shall be protected by a two (2) pole common or companion trip, or handle-tied paired circuit breakers.

(k) A metal nameplate on the outside adjacent to the feeder assembly entrance shall read:

"This Connection for 120/240 Volt 3-Pole, 4-Wire, 60 Hertz _____ Ampere Supply"

(l) The number of branch circuits required shall be determined in accordance with the following:

(1) Lighting. Based on three (3) watts per square foot times outside dimensions of the mobile structure (hitch excluded) divided by one hundred fifteen (115) volts to determine number of fifteen (15) or twenty (20) ampere lighting area circuits, e.g.:

$$\frac{3 \times \text{Length} \times \text{Width}}{115 \times 15 \text{ (or 20)}} = \begin{matrix} \text{No. of fifteen (15) or twenty} \\ \text{(20) ampere circuits} \end{matrix}$$

(2) Small Appliances. For the small appliance load in kitchen, pantry, family room, dining room and breakfast rooms of mobile structures, two (2) or more twenty (20) ampere appliance branch circuits, in addition to the branch circuit specified in (l)(1), shall be provided for all receptacle outlets in these rooms, and such circuits shall have no other outlets. Receptacle outlets supplied by at least two (2) appliance receptacle branch circuits shall be installed in the kitchen.

(3) General Appliances (including furnace, water heater, range, and central or room air conditioner, etc.). There shall be one

(1) or more circuits of adequate rating in accordance with the following:

(A) Ampere rating of fixed appliances not over fifty percent (50%) of circuit rating if lighting outlets (receptacles, other than kitchen, dining area, and laundry, considered as lighting outlets) are on the same circuit.

(B) For fixed appliances on a circuit without lighting outlets, the sum of rated amperes shall not exceed the branch-circuit rating motor loads or other continuous duty loads shall not exceed eighty percent (80%) of the branch circuit rating.

(C) The rating of a single cord-and-plug-connected appliance on a circuit having no other outlets shall not exceed eighty percent (80%) of the circuit rating.

(D) The rating of range branch circuits shall be based on the range demand as specified for ranges in 675 IAC 15-2-101.

NOTE: For central air conditioning, see Article 440 of the Indiana Electrical Code (675 IAC 17-1 [675 IAC 17-1 was repealed filed Feb 17, 1987, 3:15 p.m.: 10 IR 1389, eff Mar 1, 1987 [IC 4-22-2-36 suspends the effectiveness

of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #86-153 was filed Feb 17, 1987.]

(E) Laundry Branch Circuits—Dwelling Unit. In addition to the number of branch circuits determined in accordance with above, at least one (1) additional twenty (20) ampere branch circuit provided to supply the laundry receptacle outlet(s) required by Section 210-52(e) of the Indiana Electrical Code (675 IAC 17-1 [675 IAC 17-1 was repealed filed Feb 17, 1987, 3:15 p.m.: 10 IR 1389, eff Mar 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #86-153 was filed Feb 17, 1987.]]). This circuit shall have no other outlets.

(Fire Prevention and Building Safety Commission; 675 IAC 15-2-91; filed Mar 25, 1986, 1:44 pm: 9 IR 2017, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)

675 IAC 15-2-92 Receptacle outlets

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 92. (a) All receptacle outlets shall be:

(1) of grounding type;

(2) installed according to Section 210-7 of the Indiana Electrical Code (675 IAC 17-1 [675 IAC 17-1 was repealed filed Feb 17, 1987, 3:15 p.m.: 10 IR 1389, eff Mar 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #86-153 was filed Feb 17, 1987.]]);

(3) except when supplying specific appliances, be parallel-blade, fifteen (15) ampere, one hundred twenty-five (125) volt, either single or duplex.

(b) There shall be an individual outlet of the grounding type for each cord-connected fixed appliance installed.

(c) Ground Fault Circuit Interrupters. All one hundred twenty (120) volt, single-phase, fifteen (15) and twenty (20) ampere receptacle outlets installed outdoors and in bathrooms, including receptacles in light fixtures, shall have ground-fault circuit protection for personnel. Ground-fault circuit protection for personnel shall be provided for receptacle outlets located adjacent to any lavatory. Feeders supply branch circuits shall be permitted to be protected by a ground-fault circuit-interrupter in lieu of the provision for such interrupters specified herein.

No receptacle shall be required in the area occupied by a toilet, toilet and/or shower, or toilet and tub/shower enclosure area. If a receptacle is installed in such an area, it shall have ground-fault circuit protection for personnel.

EXCEPTION: Restrooms without bathtub facilities.

(d) Required Receptacle Outlets for Residential Structures. Receptacle outlets required in all rooms other than the bath, closet, and hall areas shall be installed so that no point along the floor line is more than six feet (6') measured horizontally from an outlet in that space. Countertops shall have receptacles located every six feet (6'). The continuous measurement of countertop and floor line shall be permitted when measured from the required receptacle in rooms requiring small appliance circuits. Receptacle outlets on small appliance circuits shall not be included in determining the spacing for receptacle outlets of other circuits.

EXCEPTION 1: Where the measured distance is interrupted by an interior doorway, sink, refrigerator, range, oven, or cooktop, an additional receptacle outlet shall be provided when the interrupted space is at least two feet (2') wide at the floor line and at least twelve inches (12") wide at the countertop.

EXCEPTION 2: Receptacles concealed by stationary appliances shall not be considered as the required outlets.

EXCEPTION 3: The distance along a floor line occupied by a door opened fully against that space need not be included in establishing the horizontal measurement if the door swing is limited to ninety (90) degrees nominal by the wall space.

EXCEPTION 4: Receptacle requirements for bar-type counters and for fixed room dividers no more than eight feet (8') in length shall be permitted to be provided by a receptacle outlet in the wall at the nearest point where the counter or room divider attaches to the wall.

NOTE: To qualify as a "fixed room divider" the divider cannot be more than eight feet (8') in length nor more than four feet (4') in height and may be attached to a wall at one end only.

(e) Outdoor Receptacle Outlets. At least one (1) receptacle outlet shall be installed outdoors. A receptacle outlet located in a compartment accessible from the outside of the mobile structure shall be considered an outdoor receptacle.

EXCEPTION: Commercial units are not required to have exterior receptacles, but when installed shall conform to this code.

(f) Receptacle Outlets not Permitted. Receptacle outlets shall not be installed in or within reach (thirty inches (30")) of a shower

or bathtub space. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-92; filed Mar 25, 1986, 1:44 pm: 9 IR 2019, eff Jun 15, 1986; errata, 9 IR 2931; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-93 Fixtures; appliances

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 93. (a) Electrical materials, devices, appliances, fittings, and other equipment installed, intended for use in, or attached to the mobile structure shall be approved for the application and shall be connected in an approved manner when in service. Facilities shall be provided to securely fasten appliances when the mobile structure is in transit.

(b) Specifically approved pendant-type fixtures or pendant cords shall be permitted in mobile structures.

(c) If a lighting fixture is provided over a bathtub or in a shower stall, it shall be of the enclosed and gasketed type approved for wet locations.

(d) The switch for shower lighting fixtures and exhaust fans located over a tub or in a shower stall shall be located outside the tub or shower space.

(e) Any combustible wall or ceiling finish exposed between the edge of a fixture, canopy, or pan and an outlet box shall be covered with noncombustible material.

(f) Every appliance shall be accessible for inspection, service, repair, or replacement without removal of permanent construction. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-93; filed Mar 25, 1986, 1:44 pm: 9 IR 2020 eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-94 Wiring methods and materials

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 94. (a) Except as specially limited in this section, the wiring methods and materials specified in the Indiana Electrical Code (675 IAC 17-1 [*675 IAC 17-1 was repealed filed Feb 17, 1987, 3:15 p.m.: 10 IR 1389, eff Mar 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #86-153 was filed Feb 17, 1987.*]) shall be used in mobile structures.

(b) Nonmetallic outlet boxes shall be acceptable only with nonmetallic cable.

(c) Nonmetallic cable located fifteen inches (15") or less above the floor, if exposed, shall be protected from physical damage by covering boards, guard strips, or conduit. Cable likely to be damaged by stowage shall be so protected in all cases.

(d) Metal-clad and nonmetallic cables shall be permitted to pass through the centers of the wide side of two inch (2") by four inch (4") studs. However, they shall be protected where they pass through two inch (2") by two inch (2") studs or frames where the cable or armor would be less than one and one-half inches (1 1/2") from the inside or outside surface. Steel plates on each side of the cable, or a tube, with not less than No. 16 MSG wall thickness shall be required to protect the cable. These plates or tubes shall be securely held in place.

(e) Where metallic faceplates are used they shall be effectively grounded.

(f) If a range, clothes dryer, or similar appliance is connected by metal-clad cable or flexible metal conduit, a length of free cable or conduit shall be adequately secured to the wall. A length of not less than three feet (3') of free cable or conduit shall be provided to permit moving the appliance. Type NM or Type SE cable shall not be used to connect a range or dryer. This shall not prohibit the use of Type NM or Type SE cable between the branch-circuit overcurrent protective device and a junction box or range or dryer receptacle.

(g) Threaded rigid metal conduit and intermediate metal conduit shall be provided with locknut inside and outside the box, and conduit bushing shall be used on the inside. Rigid nonmetallic conduit shall be permitted. Inside ends of the conduit shall be reamed.

(h) Switches shall be rated as follows:

(1) For lighting circuits, switches shall have a ten (10) ampere, one hundred twenty/one hundred twenty-five (120/125) volt rating; or higher if needed for the connected load.

(2) For motors or other loads, switches shall have ampere or horsepower ratings, or both, adequate for loads controlled. (An "AC general use" snap switch shall be permitted to control a motor two (2) horsepower or less with full-load current not over

eighty percent (80%) of the switch ampere rating.)

(i) At least four inches (4") of free conductor shall be left at each outlet box except where conductors are intended to loop without joints.

(j) Where outdoor or under-chassis line-voltage wiring is exposed to moisture or physical damage, it shall be protected by rigid metal conduit or intermediate metal conduit. The conductors shall be suitable for wet locations.

EXCEPTION: Electrical metallic tubing may be used when closely routed against frames and equipment enclosures.

(k) The cables or conductors shall be Type NMC, TW, or equivalent.

(l) Boxes, Fittings, and Cabinets. Boxes, fittings, and cabinets shall be securely fastened in place and shall be supported from a structural member of the structure either directly or by using a substantial brace.

EXCEPTION: Snap-in type boxes. Boxes provided with special wall or ceiling brackets and wiring devices with integral enclosures, which securely fasten to walls or ceilings and are identified for the use shall be permitted without support from a structural member or brace. The testing and approval shall include the wall and ceiling construction systems for which the boxes and devices are intended to be used.

(m) Outlet boxes shall fit closely to openings in combustible walls and ceilings, and they shall be flush with such surfaces.

(n) Appliances having branch-circuit terminal connections which operate at temperatures higher than 60° C. (140° F.) shall have circuit conductors as described in (n)(1) and (2), below:

(1) Branch-circuit conductors having an insulation suitable for the temperature encountered shall be permitted to run directly to the appliance.

(2) Conductors having an insulation suitable for the temperature encountered shall be run from the appliance terminal connection to a readily accessible outlet box placed at least one foot (1') from the appliance. These conductors shall be in a suitable raceway which shall extend for at least four feet (4').

(o) Component Interconnections. Fittings and connectors which are intended to be concealed at the time of assembly, when tested and approved to applicable standards, shall be permitted for the interconnections of building components. Such fittings and connectors shall be equal to the wiring method employed in insulation, temperature rise, fault-current withstanding, and shall be capable of enduring the vibration and shock occurring in a mobile structure transportation. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-94; filed Mar 25, 1986, 1:44 pm: 9 IR 2020, eff Jun 15, 1986; errata, 9 IR 2931; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-95 Grounding

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 95. General. Grounding of both electrical and nonelectrical metal parts in a mobile structure shall be through connection to a grounding bus in the mobile structure distribution panelboard. The grounding bus shall be grounded through the green-colored conductor in the supply cord or the feeder wiring to the service ground in the service-entrance equipment located adjacent to the mobile structure location. Neither the frame of the mobile structure nor the frame of any appliance shall be connected to the neutral conductor in the mobile structure. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-95; filed Mar 25, 1986, 1:44 pm: 9 IR 2021, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-96 Insulated neutral

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 96. (a) The grounded circuit conductor (neutral) shall be insulated from the grounding conductors and from equipment enclosures and other grounded parts. The grounded (neutral) circuit terminals in the distribution panelboard and in ranges, clothes dryers, counter-mounted cooking units, and wall-mounted ovens shall be insulated from the equipment enclosure. Bonding screws, straps, or buses in the distribution panelboard or in appliances shall be removed and discarded.

(b) Connection of ranges and clothes dryers with one hundred fifteen/two hundred thirty (115/230) volt, three (3) wire ratings shall be made with four (4) conductor cord and three (3) pole, four (4) wire grounding type plugs, or by Type AC metal-clad cable or conductors enclosed in flexible metal conduit. For one hundred fifteen (115) volt rated devices, a three (3) conductor cord and a two (2) pole, three (3) wire grounding type plug shall be permitted. (*Fire Prevention and Building Safety Commission; 675 IAC*

15-2-96; filed Mar 25, 1986, 1:44 pm: 9 IR 2021, eff Jun 15, 1986; errata, 9 IR 2931; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)

675 IAC 15-2-97 Equipment grounding

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 97. (a) The green-colored insulated grounding wire in the supply cord or permanent feeder wiring shall be connected to the grounding bus in the distribution panelboard or disconnecting means.

(b) In the electrical system, all exposed metal parts, enclosures, frames, lamp fixture canopies, etc., shall be effectively bonded to the grounding terminal or enclosure of the distribution panelboard.

(c) Cord-connected appliances, such as washing machines, clothes dryers, refrigerators, and the electrical system of gas ranges, etc., shall be grounded by means of an approved cord with grounding conductor and grounding-type attachment plug. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-97; filed Mar 25, 1986, 1:44 pm: 9 IR 2021, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-98 Bonding of noncurrent-carrying metal parts

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 98. (a) All exposed noncurrent-carrying metal parts that may become energized shall be effectively bonded to the grounding terminal or enclosure of the distribution panelboard. A bonding conductor shall be connected between each distribution and an accessible terminal on the chassis.

(b) Grounding terminals shall be of the solderless type and approved as pressure terminal connectors recognized for the wire size used. The bonding conductor shall be solid or stranded, insulated or bare, and shall be No. 8 copper minimum, or equal. The bonding conductor shall be routed so as not to be exposed to physical damage.

NOTE: Protection can be afforded by the configuration of the chassis.

(c) Metallic gas, water and waste pipes and metallic air-circulating ducts shall be considered bonded if they are connected to the terminal on the chassis ((a) of this section) by clamps, solderless connectors, or by suitable ground-type straps.

(d) Any metallic roof and exterior covering shall be considered bonded if (1) the metal panels overlap one another and are securely attached to the wood or metal frame parts by metallic fasteners, and (2) if the lower panel of the metallic exterior covering is secured by metallic fasteners at a cross member of the chassis by two (2) metal straps per mobile structure of section at opposite ends. The bonding strap material shall be a minimum of four inches (4") in width of material equivalent to the skin or a material of equal or better electrical conductivity. The straps shall be fastened with paint-penetrating fittings such as screws, and starwashers or equivalent. (*Fire Prevention and Building Safety Commission; 675 IAC 15-2-98; filed Mar 25, 1986, 1:44 pm: 9 IR 2022, eff Jun 15, 1986; errata, 9 IR 2931; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306*)

675 IAC 15-2-99 Electrical tests

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 99. (a) Dielectric Strength Test. The wiring of each mobile structure shall be subjected to a one (1) minute, nine hundred (900) volt dielectric strength test (with all switches closed) between live parts (including neutral and the mobile structure ground). Alternatively, the test may be performed at one thousand eighty (1080) volts for one (1) second. This test shall be performed after branch circuits are complete and after fixtures or appliances are installed.

EXCEPTION: Fixtures or appliances which are listed shall not be required to withstand the dielectric strength test.

(b) Continuity and Operational Tests and Polarity Checks. Each mobile structure shall be subjected to:

(1) an electrical continuity test to assure that all exposed electrically conductive parts are properly bonded;

(2) an electrical operational test to demonstrate that all equipment, except water heaters and electric furnaces, is connected and in working order; and

(3) electrical polarity checks of permanently wired equipment and receptacle outlets to determine that connections have been

properly made.

(Fire Prevention and Building Safety Commission; 675 IAC 15-2-99; filed Mar 25, 1986, 1:44 pm: 9 IR 2022, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)

675 IAC 15-2-100 Load calculations

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 100. (a) The following method shall be employed in computing the supply cord and distribution panelboard load for each feeder assembly for each mobile structure and shall be based on a three (3) wire, one hundred fifteen/two hundred thirty (115/230) volt supply with one hundred fifteen (115) volt loads balanced between the two (2) legs of the three (3) wire system.

(1) Method No. 1; Lighting and Small Appliance Load. Lighting Watts: Length times width of mobile structure (outside dimensions, exclusive of coupler) times three (3) watts per square foot; e.g., Length × Width × 3 = _____ lighting watts.

Small Appliance Watts: Number of circuits times one thousand five hundred (1500) volt amperes for each twenty (20) ampere appliance receptacle circuit (see definition of “appliance, small” with note); e.g., Number of circuits × 1500 = _____ small appliance volt-amperes.

Total lighting watts plus small appliance = _____ total volt-amperes.

First three thousand (3000) total volt-amperes at one hundred percent (100) plus remainder at thirty-five percent (35%) = _____ volt-amperes to be divided by two hundred thirty (230) volts to obtain current (amperes) per leg.

Total load for determining power supply is the summation of:

(A) Lighting and small appliance load is calculated in (a)(1).

(B) Nameplate amperes for motors and heater loads (exhaust fans*, air conditioners*, electric gas, or oil heating.+)

*Omit smaller of these two (2), except include blower motor if used as air-conditioner evaporator motor.

+When an air conditioner is not installed and a forty (40) ampere power supply cord is provided, allow fifteen (15) amperes per leg for air conditioning.

(C) Twenty-five percent (25%) of current of largest motor in item (B) above.

(D) Total of nameplate amperes for: disposal, dishwasher, water heater, clothes dryer, wall-mounted oven, cooking units.

Where number of these appliances exceed three (3), use seventy-five percent (75%) of total.

(E) Derive amperes for free-standing range (as distinguished from separate ovens and cooking units) by dividing values below by two hundred thirty (230) volts.

Nameplate Rating	Use
10,000 w × or less	80% of rating
10,001 - 12,500 w	8,000 v-a
12,501 - 13,500 w	8,400 v-a
13,501 - 14,500 w	8,800 v-a
14,501 - 15,500 w	9,200 v-a
15,501 - 16,500 w	9,600 v-a
16,501 - 17,500 w	10,000 v-a

(F) If outlets or circuits are provided for other than factory-installed appliances include the anticipated load.

NOTE: The following example is given to illustrate the application of this Method of Calculation:

EXAMPLE

A mobile structure is 70 × 10 feet and has two (2) portable appliance circuits, a 1000 watt 230 volt heater, a 200 watt 115 volt exhaust fan, a 400 watt 115 volt dishwasher and a 7000 watt electric range.

Lighting and small appliance load.

Lighting 70 × 10 × 3 = 2100 v-a

Small appliance 1500 × 2 = 3000 v-a

Laundry 1500 × 1 = 1500 v-a

6600 v-a

1st 3000 at 100% 3000

FIRE PREVENTION AND BUILDING SAFETY COMMISSION

Remainder (5100 - 3000 = 2000) @ 35% 1260
4260

$\frac{4260}{230} = 185$ amperes per leg

1000 watt (heater) divided by 230 = 4.4 amp
 200 watt (fan) divided by 115 = 1.7 amp
 400 watt (dishwasher) divided by 115 = 3.5 amp
 7000 watt (range) × .8 divided by 230 = 24.0 amp

	Amperes Per Leg	
	A	B
Lighting and appliances	18.5	18.5
Heater (230 volt)	4	4
Fan (115 volt)	2	-
Dishwasher (115 volt)	-	4
Range	<u>24</u>	<u>24</u>
Totals	48.5	50.5

Based on the higher current calculated for either leg, use one (1) fifty (50) ampere supply cord.

(2) Method No. 2; Optional Method of Calculation for Lighting and Appliance Loads. For mobile structures served by a single three (3) wire one hundred fifteen/two hundred thirty (115/230) volt set of feeder conductors with an ampacity of one hundred (100) or greater, the total load for determining the feeder ampacity may be computed in accordance with Table 100(a)(2) instead of the methods specified in (a)(1). Feeder conductors whose demand load is determined by this optional calculation shall be permitted to have the neutral load determined by section 220-22 of the Indiana Electrical Code (675 IAC 17-1 [*675 IAC 17-1 was repealed filed Feb 17, 1987, 3:15 p.m.: 10 IR 1389, eff Mar 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #86-153 was filed Feb 17, 1987.]*]). The loads identified in Table 6B, below as “other load” and as “remainder of other load” shall include the following:

- (A) One thousand five hundred (1500) watts for each two (2) wire, twenty (20) ampere small appliance branch circuit and each laundry branch circuit specified.
- (B) Three (3) watts per square foot for general lighting and general-use receptacles.
- (C) The nameplate rating of all fixed appliances, ranges, wall-mounted ovens, counter-mounted cooking units, and including four (4) or more separately controlled space heating units.
- (D) The nameplate ampere of kVA rating of all motors and all low-power factor loads.
- (E) The largest of the following: (i) air-conditioning load; (ii) the sixty-five percent (65%) diversified demand of the central electric space heating load; (iii) the sixty-five percent (65%) diversified [*sic.*] demand of the load of less than four (4) separately-controlled electric space heating units; (iv) the connected load of four (4) or more separately controlled electric space heating units.

TABLE 6B

Optional Calculation for Mobile Structures with 100-Amperes or Larger Service	Demand Factor
Load (in kW or kVA)	(Percent)
Air-conditioning and cooling, including heat pump compressors	100
Central electric space heating	65
Less than four (4) separately controlled electric space heating units	65
First ten (10) kW of all other load	100
Remainder of other load	40

(Fire Prevention and Building Safety Commission; 675 IAC 15-2-100; filed Mar 25, 1986, 1:44 pm: 9 IR 2022, eff Jun 15, 1986; errata, 9 IR 2931; errata, 9 IR 3093; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)

675 IAC 15-2-101 Interconnection of multiple section mobile residential structures

Authority: IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 101. (a) Fixed-type Wiring. Approved and listed fixed-type wiring methods shall be used to join portions of a circuit which must be electrically joined which are located in adjacent sections of mobile structures after the structure is installed on its support foundation. The circuits junction shall be accessible for disassembly when the structure is prepared for relocation.

(b) Disconnecting Means. Multiple section mobile structures not having permanently installed feeders, and which are to be moved from one (1) location to another shall be permitted to have disconnecting means with branch-circuit protective equipment in each unit when so located that after assembly or joining together of units, they shall not be interconnected on either the live side or the load side, except that the grounding means shall be electrically interconnected. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-101; filed Mar 25, 1986, 1:44 pm: 9 IR 2024, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-102 Outdoor fixtures, outlets, and appliances

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 102. (a) Outdoor fixtures and equipment shall be approved for outdoor use. Outdoor receptacles or convenience outlets shall be of a gasketed-cover type, for use in wet locations.

(b) Outside Heating and/or Air-Conditioning Equipment. A mobile structure provided with a branch circuit designed to energize heating and/or air-conditioning equipment located outside and mobile structure, other than room air-conditioners, shall have branch-circuit conductors terminate in a listed outlet box, or disconnecting means, located on the outside *[sic.]* of the mobile structure. A label shall be permanently affixed adjacent to the outlet box and contain the following information:

“This connection is for heating and/or air-conditioning equipment. The branch-circuit is rated at not more than _____ amperes, at _____ volts, 60-Hertz, _____ conductor ampacity. A disconnecting means shall be located within sight of the equipment.

The correct voltage and ampere rating shall be given. The tag shall be not less than 0.020 inch, etched brass, stainless steel, anodized or alcaid aluminum or equivalent. The tag shall not be less than three inches (3") by one and three-fourths inches (1 3/4") minimum size. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-102; filed Mar 25, 1986, 1:44 pm: 9 IR 2024, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-103 Painting of wiring

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 103. During painting or staining of the mobile structure, it shall be permitted to paint metal raceway (except where grounding continuity would be reduced) or the sheath of the nonmetallic cable. Some arrangement, however, shall be made so that no point shall be applied to the individual wires, as the color coding may be obliterated by the painting. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-103; filed Mar 25, 1986, 1:44 pm: 9 IR 2024, eff Jun 15, 1986; readopted filed Nov 29, 2001, 12:21 p.m.: 25 IR 1306)*

675 IAC 15-2-104 Polarization

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 104. (a) The identified (white) conductor shall be employed for grounded circuit conductors only and shall be connected to the identified (white) terminal or lead on receptacle outlets and fixtures. It shall be the unswitched wire in switched circuits, except that a cable containing an identified conductor (white) shall be permitted for single-pole three (3) way or four (4) way switch loops where the connections are made so that the unidentified conductor is the return conductor from the switch to the outlet. Painting of the terminal end of the wire shall not be required.

(b) If the identified (white) conductor of a cable is used for other than grounded conductors or for other than switch loops as explained above (for a two hundred thirty (230) volt circuit, for example), the conductor shall be finished in a color other than white at each outlet where the conductors are visible and accessible.

(c) Green-colored wires or green with yellow stripes shall be used for grounding conductors only. *(Fire Prevention and Building Safety Commission; 675 IAC 15-2-104; filed Mar 25, 1986, 1:44 pm: 9 IR 2024, eff Jun 15, 1986; readopted filed Nov 29,*

2001, 12:21 p.m.: 25 IR 1306)

ARTICLE 16. PLUMBING CODE

Rule 1. Indiana Plumbing Code (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Sep 22, 1988, 2:35 p.m.: 12 IR 341, eff Jan 2, 1989)

Rule 1.1. Indiana Plumbing Code, 1989 (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Nov 30, 1990, 4:07 p.m.: 14 IR 748, eff Jan 2, 1991)

Rule 1.2. Indiana Plumbing Code, 1991 Edition (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3414)

Rule 1.3. Indiana Plumbing Code, 1999 Edition

675 IAC 16-1.3-1 Title; availability

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 1. (a) This rule shall be known as the Indiana Plumbing Code, 1999 Edition, and shall be published, except for incorporated documents, by the fire and building services department, for general distribution and use under that title. Wherever the term "this code" is used within this rule, it shall mean the Indiana Plumbing Code, 1999 Edition.

(b) The Indiana Plumbing Code, 1999 Edition, is available for purchase from the Fire and Building Services Department, Indiana Government Center-South, 402 West Washington Street, Room W221, Indianapolis, Indiana 46204-2739. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-1; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3382)*

675 IAC 16-1.3-2 Adoption by reference

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 2. That certain document, being titled as the Uniform Plumbing Code, 1997 Edition, published by the International Association of Plumbing and Mechanical Officials, 20001 Walnut Drive South, Walnut, California 91789-2825, be and the same is hereby adopted by reference, as if fully set out in this rule, save and except those amendments made in this rule. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-2; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3382)*

675 IAC 16-1.3-3 Chapter 1; administration

Authority: IC 22-13-2-2

Affected: IC 4-21.5; IC 22-12-7; IC 22-13-2-7; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 3. Delete Chapter 1 and substitute to read as follows:

101.0 Scope, intent

101.1 Scope. The provisions of this code shall apply to the construction, alteration, and addition to plumbing equipment and systems regulated by this code for Class 1 structures except townhouses. Compliance with this code for Class 2 structures or Class 1 townhouses is evidence of compliance with 675 IAC 14, the Indiana One and Two Family Dwelling Code. Provisions in the appendices are not enforceable unless specifically adopted.

101.2 Intent. The purpose of this code is to provide minimum standards for safety and to safeguard property and public welfare by regulating and controlling the design, construction, installation, quality of material and location of plumbing equipment and systems.

102.0 Plans. Plans shall be submitted for Class 1 structures as required by the General Administrative Rules (675 IAC 12-6), and for Class 2 structures as required by local ordinance.

103.0 Existing construction. For existing construction, see the General Administrative Rules (675 IAC 12-4) and local ordinance.

104.0 Conflicts between codes. For conflicting requirements within the fire prevention and building safety commission's rules see

the General Administrative Rules (675 IAC 12-4).

105.0 Additions and alterations. Additions or alterations to any plumbing system shall conform to that required for a new plumbing system without requiring the existing plumbing system to comply with all the requirements of this code. Additions or alterations shall not cause an existing system to become unsafe, insanitary, or overloaded.

Minor additions or alterations to existing plumbing systems shall be permitted in the same manner and arrangement as in the existing system, provided that such additions or alterations are not hazardous and are approved.

106.0 Department of plumbing inspections, permits, and inspections. The department of plumbing inspections and permitting is created and regulated by local ordinance.

107.0 Appeals. Appeals from orders issued by the fire prevention and building safety commission or the state building commissioner are governed by IC 4-21.5 and IC 22-12-7. Appeals from orders issued by a local unit of government are governed by IC 22-13-2-7 and local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-3; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3383*)

675 IAC 16-1.3-4 Section 203.0; "A"

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 4. (a) Change the definition of Administrative Authority to read as follows: ADMINISTRATIVE AUTHORITY means the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the fire prevention and building safety commission. For purposes of industrialized building systems (675 IAC 15), Administrative Authority means the state building commissioner.

(b) Change the definition of Approved to read as follows: APPROVED means, as to materials, equipment, products, and construction, acceptance by the administrative authority by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, products, and construction are safe for their intended purposes.

(c) Change the definition of Approved Testing Agency to read as follows: APPROVED TESTING AGENCY means an established and recognized agency regularly engaged in conducting tests or furnishing inspection services, when such agency has been approved. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-4; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3383*)

675 IAC 16-1.3-5 Section 204.0; "B"

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 5. (a) Change the definition of Building to read as follows: BUILDING means any structure occupied or intended to support or shelter any occupancy.

(b) Add a definition of Building Code to read as follows: BUILDING CODE means the Indiana Building Code for Class 1 structures except for townhouses, or the Indiana One and Two Family Dwelling Code for Class 2 structures and Class 1 townhouses in effect at the time of the construction, addition, or alteration of the plumbing system. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-5; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3383*)

675 IAC 16-1.3-6 Section 205.0; "C"

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 6. (a) Delete the definition of Certified Backflow Assembly Tester, and Continuous Vent.

(b) Add the definition of Circuit Vent to read as follows: Circuit Vent-A vent that connects to a horizontal drainage branch and vents two (2) traps to a maximum of eight (8) traps or trapped fixtures connected into a battery.

(c) Delete the definition of Code.

(d) Delete the definition of Combustible Construction and substitute as follows: Combustible Construction-See the Building Code.

(e) Delete the definition of Confined Space.

(f) Delete the definition of Continuous Vent. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-6; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3384*)

675 IAC 16-1.3-7 Section 206.0; “D”

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 7. (a) Delete the definition of Department Having Jurisdiction and substitute as follows: See administrative authority.

(b) Change the definition of Domestic Sewage to read as follows: DOMESTIC SEWAGE means the liquid and water-borne wastes derived from the ordinary living processes, free from industrial wastes. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-7; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3384*)

675 IAC 16-1.3-8 Section 211.0; “I”

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 8. Delete, in section 211.0, in the first sentence of the definition of Insanitary, “or is injurious to health”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-8; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3384*)

675 IAC 16-1.3-9 Section 214.0; “L”

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 9. (a) Change the definition of Labeled to read as follows: LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

(b) Change the definition of Listed to read as follows: LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(c) Delete the definitions of Listing Agency and Lot.

(d) Add the definition of Local Vent Stack to read as follows: LOCAL VENT STACK. A vertical pipe to which connections are made from the fixture side of traps and through which vapor or foul air is removed from the fixture or device utilized on bed pan washers. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-9; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3384*)

675 IAC 16-1.3-10 Section 215.0; “M”

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 10. (a) Delete the definition of Mobile Home Park Sewer.

(b) Add the definition of Mechanical Code to read as follows: MECHANICAL CODE means the Indiana Mechanical Code for Class 1 structures, except townhouses and the mechanical chapters of the Indiana One and Two Family Dwelling Code for Class 2 structures and Class 1 townhouses in effect at the time of the construction, addition, or alteration of the plumbing system. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-10; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3384*)

675 IAC 16-1.3-11 Section 216.0; “N”

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 11. Delete the definition of Nuisance. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-11; filed Jun*

30, 1999, 2:53 p.m.: 22 IR 3384)

675 IAC 16-1.3-12 Section 218.0; “P”

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 12. (a) Change the definition of Plumbing to read as follows: PLUMBING means the practice, materials, and fixtures utilized in the construction, addition, or alteration of all piping, fixtures, plumbing appliances, plumbing appurtenances, and venting systems. Not included in this definition are installations of chilled water piping in connection with refrigeration, process, and comfort cooling; hot water piping in connection with building heating and piping for fire protection systems.

(b) Change the definition of Plumbing System to read as follows: PLUMBING SYSTEM includes the water supply and distribution pipes; plumbing fixtures and traps; water-using equipment; soil, waste, and vent pipes; sanitary sewers; storm sewers within or on the structure and building drains; in addition to their respective connections, devices, and appurtenances.

(c) Change the definition of Potable Water to read as follows: POTABLE WATER means water that at the point of use is acceptable for human consumption under drinking water quality standards adopted by the water pollution control board at 327 IAC 8.

(d) Delete the definition of Private Sewage Disposal System. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-12; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3384*)

675 IAC 16-1.3-13 Section 220.0; “R”

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 13. (a) Change the last sentence of the definition of Roughing-In to read as follows: This includes drainage, water supply, vent piping, and the necessary fixture supports.

(b) Change the definition of Relief Vent to read as follows: RELIEF VENT. A vent whose primary function is to provide circulation of air between drainage systems and vent systems. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-13; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3385*)

675 IAC 16-1.3-14 Section 221.0; “S”

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 14. (a) Delete the definitions of Seepage Pit, Septic Tank, and Single Family Dwelling.

(b) Delete the definition of Stack and substitute to read as follows: STACK. A general term for any vertical line of soil, waste, vent, or inside conductor piping that extends through at least one (1) story with or without offsets.

(c) Add the definition of Stack Venting to read as follows: STACK VENTING. A method of venting a fixture or fixtures through the soil or waste stack.

(d) Add the definition of Sterilizer Vent to read as follows: STERILIZER VENT. A separate pipe or stack, indirectly connected to the building drainage system at the lower terminal, that receives the vapors from nonpressure sterilizers, or the exhaust vapors from pressure sterilizers, and conducts the vapors directly to the open air. Also called vapor, steam, atmospheric, or exhaust vent.

(e) Add the definition of Sump Vent to read as follows: SUMP VENT. A vent from pneumatic sewage ejectors, or similar equipment, that terminates separately to the open air. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-14; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3385*)

675 IAC 16-1.3-15 Section 222.0; “T”

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 15. Add the definition of Townhouse to read as follows: TOWNHOUSE is a single family dwelling constructed in a row of attached units separated by property lines and with open space on at least two (2) sides. (*Fire Prevention and Building Safety*

Commission; 675 IAC 16-1.3-15; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3385)

675 IAC 16-1.3-16 Section 223.0; “U”

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 16. Delete the definition of Unconfined Space. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-16; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3385)*

675 IAC 16-1.3-17 Section 225.0; “W”

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 17. Delete the definition of Welder, Pipe. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-17; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3385)*

675 IAC 16-1.3-18 Section 301.1; approvals

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 18. Change section 301.1.1 to read as follows: Unless otherwise provided for in this code, all materials, fixtures, or devices used or entering into the construction of plumbing and drainage systems, or parts thereof, shall be submitted to the administrative authority for approval, and shall be free from defects. All pipes, pipe fittings, traps, fixtures, material, and devices used in a plumbing system shall be listed or labeled or shall be approved by the administrative authority when listing or labeling is not available. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-18; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3385)*

675 IAC 16-1.3-19 Section 301.1.2; marking

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 19. Change section 301.1.2 to read as follows: Each length of pipe and each pipe fitting, trap, fixture, material, and device used in a plumbing system shall have cast, stamped, or indelibly marked on it, the maker’s mark or name, the weight and the quality of the product, when such marking is required by the approved standard that applies. All such marking shall be done by the manufacturer. Field marking shall not be acceptable. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-19; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3385)*

675 IAC 16-1.3-20 Section 301.1.3; standards

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 20. Change section 301.1.3 to read as follows: Standards listed or referred to in this chapter cover materials which will conform to the requirements of this code, when used in accordance with the limitations imposed in this or other chapters thereof and their listing. Where a standard covers materials of various grades, weights, quality, or configurations, there may be only a portion of the listed standard which is applicable. A list of generally accepted plumbing materials standards is included in TABLE 14-1. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-20; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3386)*

675 IAC 16-1.3-21 Sections 301.1.4, 301.2; existing buildings and alternate materials and methods

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 21. Delete the title and text of sections 301.1.4 and 301.2 and substitute as follows:

301.2 Alternate materials, methods, equipment, alternative engineered design, and existing buildings.

301.2.1 Alternate materials, methods, and equipment. Modifications, alternative materials, methods, and equipment are regulated by the General Administrative Rules, 675 IAC 12-6-11, for Class 1 structures, except townhouses, and the Indiana One and Two Family Dwelling Code (675 IAC 14) for Class 2 structures and townhouses.

301.2.2 Alternative engineered design. Alternative engineered design shall comply with sections 301.2.3 and 301.2.4.

301.2.3 Design criteria. An alternative engineered design shall provide an equivalent level of quality, strength, effectiveness, fire resistance, durability, and safety and be approved by the administrative authority. Material, equipment, or components shall be designed and installed in accordance with the manufacturer's installation instructions.

301.2.4 Technical data. Technical data shall be submitted to the administrative authority to substantiate the proposed alternative engineered design and to prove that the performance meets the intent of this code.

301.2.5 Materials. Materials, equipment, and devices shall not be reused unless such elements have been reconditioned, tested, and placed in good and proper working condition and approved.

301.2.6 Existing buildings and maintenance. For existing buildings and maintenance, see the General Administrative Rules (675 IAC 12-4). (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-21; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3386*)

675 IAC 16-1.3-22 Section 303.0; disposal of liquid waste

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 22. (a) Delete, in section 303.0, "an approved" and substitute "a".

(b) Delete, in section 303.0, "and maintained". (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-22; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3386*)

675 IAC 16-1.3-23 Section 305.0; sewers required

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 23. Delete section 305.0 and substitute to read as follows: Every building in which plumbing fixtures are installed shall have a connection to a public or private sewer as required by local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-23; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3386*)

675 IAC 16-1.3-24 Section 306.0; damage to drainage system or public sewer

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 24. Delete section 306.0. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-24; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3386*)

675 IAC 16-1.3-25 Sections 307.0 and 308.0; industrial wastes, location

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 25. Delete sections 307.0 and 308.0. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-25; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3386*)

675 IAC 16-1.3-26 Section 310.1; workmanship

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 26. Delete section 310.1. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-26; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3386*)

675 IAC 16-1.3-27 Section 311.4; prohibited fittings and practices

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 27. Delete section 311.4. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-27; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3387*)

675 IAC 16-1.3-28 Section 312.0; independent systems

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 28. Change section 312.0 to read as follows: The drainage system of each new building and of new work installed in any existing building shall be separate and independent from that of any other building. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-28; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3387*)

675 IAC 16-1.3-29 Section 313.3; protection of piping, materials, and structures

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 29. Delete, in section 313.3, “permission be otherwise granted” and substitute “approved”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-29; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3387*)

675 IAC 16-1.3-30 Section 313.6; protection of piping, materials, and structures

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 30. Change section 313.6 to read as follows: No water, soil, or waste pipe shall be installed or permitted outside of a building or in an exterior wall unless provision is made to protect such pipe from freezing. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-30; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3387*)

675 IAC 16-1.3-31 Section 313.10.5; sleeves

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 31. Change section 313.10.5 to read as follows: Any pipe or pipe sleeve that penetrates fire-resistive construction shall have the space around the pipe completely sealed in accordance with the building code. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-31; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3387*)

675 IAC 16-1.3-32 Section 313.11; sleeves

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 32. Delete, in section 313.11, “or as required by the proper administrative authority”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-32; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3387*)

675 IAC 16-1.3-33 Section 313.12.2; ratproofing

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 33. Delete section 313.12.2. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-33; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3387*)

675 IAC 16-1.3-34 Section 313.12.3; ratproofing

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 34. Delete, in section 313.12.3, “by the installation of approved metal collars securely fastened to the adjoining structure”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-34; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3387*)

675 IAC 16-1.3-35 Section 314.3; hangers and supports

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 35. Delete, in the last sentence of section 314.3, “acceptable to” and substitute “approved by”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-35; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3387*)

675 IAC 16-1.3-36 Section 314.5; hangers and supports

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 36. Change section 314.5 to read as follows: All fixtures, appliances, and appurtenances shall be supported so as to maintain their function. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-36; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3387*)

675 IAC 16-1.3-37 Section 314.7; hangers and supports

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 37. Delete the first sentence of section 314.7. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-37; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3387*)

675 IAC 16-1.3-38 Section 315.1; trenching, excavation, and backfill

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 38. Delete, in section 315.1, “permission is otherwise granted” and substitute “approved”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-38; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3387*)

675 IAC 16-1.3-39 Section 315.3; open trenches

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 39. Delete section 315.3. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-39; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3387*)

675 IAC 16-1.3-40 Section 315.4; trenching, excavation, and backfill

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

FIRE PREVENTION AND BUILDING SAFETY COMMISSION

Sec. 40. Delete the first, fifth, and sixth sentences of section 315.4. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-40; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3388*)

675 IAC 16-1.3-41 TABLE 3-2

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 41. Delete TABLE 3-2 and substitute as follows:

		TABLE 3-2	
Materials	Types of Joints	Horizontal	Vertical
Cast Iron Hub and Spigot	Lead and Oakum	5 feet (1,524 mm), except may be 10 feet (3,048 mm) where 10 foot (3,048 mm) lengths are installed ^{1,2,3}	Base and each floor not to exceed 15 feet (4,572 mm)
	Compression Gasket	Every other joint, unless over 4 feet (1,219 mm), then support each joint ^{1,2,3}	Base and each floor not to exceed 15 feet (4,572 mm)
Cast Iron Hubless	Shielded Coupling	Every other joint, unless over 4 feet (1,249 mm), then support each joint ^{1,2,3}	Base and each floor not to exceed 15 feet (4,572 mm)
	Soldered, Brazed, or Welded	1½ inch (38 mm) and smaller, 6 feet (1,829 mm); 2 inch (51 mm) and larger, 10 feet (3,048 mm)	Each floor, not to exceed 10 feet (3,048 mm) ⁵
Steel and Brass Pipe for Water or DWV	Threaded or Welded	¾ inch (19 mm) and smaller, 10 feet (3,048 mm); 1 inch (25.4 mm) and larger, 12 feet (3,658 mm)	Every other floor, not to exceed 25 feet (7,620 mm) ⁵
Steel, Brass	Threaded or Welded	½ inch (12.7 mm), 6 feet (1,829 mm); ¾ inch (19.1 mm) and 1 inch (25.4 mm), 8 feet (2,438 mm); 1¼ inch (32 mm) and larger, 10 feet (3,048 mm)	½ inch (12.7 mm), 6 feet (1,829 mm); ¾ (19 mm) and 1 inch (25.4 mm), 8 feet (2,438 mm); 1¼ inch (32 mm) and larger, every floor level
Schedule 40 PVC and ABS DWV	Solvent Cemented	All sizes, 4 feet (1,219 mm). Allow for expansion every 30 feet (9,144 mm) ^{3,6}	Base and each floor. Provide mid-story guides. Provide for expansion every 30 feet (9,144 mm) ^{6,8}
CPVC	Solvent Cemented	1 inch (25.4 mm) and smaller, 3 feet (914 mm); 1¼ inch (32 mm) and larger, 4 feet (1,219 mm)	Base and each floor. Provide mid-story guides ^{6,7}
Lead	Wiped or Burned	Continuous support	Not to exceed 4 feet [<i>sic., feet</i>] (1,219 mm)
Copper	Mechanical	As approved by the administrative authority	As approved by the administrative authority
Steel and Brass	Mechanical	As approved by the administrative authority	As approved by the administrative authority
PEX	Mechanical	1 inch (25.4 mm) and smaller, 3 feet (914 mm); 1¼ inch (32 mm) and larger, 4 feet (1,219 mm)	Base and each floor. Provide mid-story guides

(*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-41; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3388*)

675 IAC 16-1.3-42 Section 316.1.6; brazing and welding

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 42. Change section 316.1.6 to read as follows: Brazing and welding shall conform to the applicable standard(s) in TABLE 14-1. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-42; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3388*)

675 IAC 16-1.3-43 Section 316.2.2; unions

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 43. Delete, in section 316.2.2, “and in gas piping as permitted by section 1211.10”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-43; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3388*)

675 IAC 16-1.3-44 Section 316.3.2; flanged fixture connections

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 44. Delete section 316.3.2. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-44; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3388*)

675 IAC 16-1.3-45 Section 318.0; food handling establishments

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 45. (a) Change the first paragraph of section 318.0 up to the colon to read as follows: “Where building design requires that soil or drain pipes be located over areas that will be used for food and drink storage, preparation, or display, the areas shall be protected against leakage or condensation from such pipes reaching the food or drink areas. The installation shall be made with the least possible number of joints and shall be installed so as to connect to a vertical stack at the nearest wall or vertical building support with the provisions as follows:”.

(b) Delete the second sentence in section 318.4.

(c) Change the third sentence of section 318.4 to read as follows: Overhead cleanouts shall be extended through the floor construction above. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-45; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3389*)

675 IAC 16-1.3-46 Section 401.1; quality of fixtures

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 46. Change section 401.1 to read as follows: Plumbing fixtures shall be constructed of dense, durable, nonabsorbent materials and shall have smooth, impervious surfaces, free from unnecessary concealed fouling surfaces. Except as permitted elsewhere in this code, all fixtures shall conform in quality and design to approved standards. A list of generally accepted plumbing fixture standards is included in TABLE 14-1. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-46; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3389*)

675 IAC 16-1.3-47 Section 402.6; metered faucets

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 47. Change, in section 402.6, “twenty-five hundredths (0.25) gallons (one (1.0) liter)” to “five-tenths (0.5) gallons (two (2.0) liters)”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-47; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3389*)

675 IAC 16-1.3-48 Section 403.1; zinc alloy components

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 48. Change section 403.1 to read as follows: Zinc alloy components shall be used in accordance with their listing. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-48; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3389*)

675 IAC 16-1.3-49 Section 406.3; prohibited fixtures

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 49. Delete, in the last sentence of section 406.3, “, unless first approved by the Health Officer”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-49; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3389*)

675 IAC 16-1.3-50 Sections 408.6 and 408.7; setting and installation for the handicapped

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 50. Delete sections 408.6 and 408.7 and substitute to read as follows: See the Building Code. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-50; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3389*)

675 IAC 16-1.3-51 Section 409.1; water closets

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 51. Change section 409.1 to read as follows: Water closet bowls for public use shall be of the elongated type. All water closets shall be equipped with seats as required in section 409.2. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-51; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3389*)

675 IAC 16-1.3-52 Section 411.4; water supply for flush tanks

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 52. Delete, in the last sentence of section 411.4, “suitable”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-52; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3389*)

675 IAC 16-1.3-53 Section 412.2.1; location of floor drains

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 53. Delete the last sentence of section 412.2.1. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-53; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3389*)

675 IAC 16-1.3-54 Section 412.4; floor slope

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 54. Delete, in section 412.4, “, or as otherwise required by the administrative authority”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-54; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3389*)

675 IAC 16-1.3-55 Section 412.5; floor drains and shower stalls

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 55. Change section 412.5 to read as follows: Shower receptors are plumbing fixtures and shall conform to the general requirements therefor contained in section 401.0. Each such shower receptor shall be constructed of vitrified china or earthenware, ceramic tile, porcelain enameled metal, or other approved materials. No shower receptor shall be installed unless it conforms to acceptable standards as referenced in Chapter 3 and listed in TABLE 14-1 or approved by the administrative authority. (*Fire*

Prevention and Building Safety Commission; 675 IAC 16-1.3-55; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3389)

675 IAC 16-1.3-56 Section 412.6; floor drains and shower stalls

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 56. Change the exception to section 412.6 to read as follows: Exception: Showers which are designed to comply with the accessibility requirements stated in the building code. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-56; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3390)*

675 IAC 16-1.3-57 Section 412.7; floor drains and shower stalls

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 57. (a) Delete the last sentence before the exception to the first paragraph of section 412.7.

(b) Change the exception to section 412.7 to read as follows: Showers which are designed to comply with the accessibility requirements stated in the building code. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-57; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3390)*

675 IAC 16-1.3-58 Section 412.8; floor drains and shower stalls

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 58. (a) Delete, in the first sentence of section 412.8, “permitted” and substitute “approved”.

(b) Delete, in the last paragraph of section 412.8, “acceptable to the administrative authority”. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-58; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3390)*

675 IAC 16-1.3-59 Section 413.0; minimum number of required fixtures

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 59. Delete sections 413.0 through 413.7 and substitute to read as follows: See the building code for the minimum number of required fixtures. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-59; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3390)*

675 IAC 16-1.3-60 Section 414.0; fixtures for the handicapped

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 60. Delete section 414.0 and substitute to read as follows: See the building code. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-60; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3390)*

675 IAC 16-1.3-61 TABLE 4-1; minimum plumbing facilities

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 61. Delete TABLE 4-1. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-61; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3390)*

675 IAC 16-1.3-62 Chapter 5; water heaters

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 62. Delete the text of Chapter 5 and substitute to read as follows:

501.0 Definitions

DIELECTRIC INSULATOR means a device used as a nonconductor.

WATER HEATER means any heating appliance or equipment that heats potable water and supplies such water to the potable hot water distribution system. Potable water heaters have a nominal capacity of one hundred twenty (120) gallons (four hundred fifty-four (454) liters) or less, have a heat input of two hundred thousand (200,000) British thermal units per hour (fifty-eight and six-tenths (58.6) kilowatt) or less, and operate at a water pressure of one hundred sixty (160) pounds per square inch (one thousand one hundred three (1,103) kilo Pascals) or less at water temperatures not exceeding two hundred ten (210) degrees Fahrenheit (ninety-nine (99) degrees Celsius).

502.0 Protection Device

502.1 Gas storage-type water heaters and hot water boilers shall be provided with, in addition to the primary temperature controls, an over-temperature safety protection device. Devices shall be a combination temperature and pressure relief valve.

502.2 All storage-type water heaters and hot water boilers deriving heat from fuels or types of energy other than gas, shall be provided with, in addition to the primary temperature controls, an over-temperature safety protection device and a combination temperature and pressure relief valve.

503.0 Prohibited locations. Fuel-fired water heaters shall not be located in, or obtain combustion air from, any of the following rooms or spaces:

1. Sleeping rooms.
2. Bathrooms.
3. Toilet rooms.
4. Storage closets.
5. Surgical rooms.

Exceptions: 1. Direct-vent water heaters that obtain all combustion air directly from the outdoors.

2. Water heaters installed in an enclosure in which all combustion air is taken from the outdoors and the enclosure is equipped with a solid weather-stripped door and self-closing device.

504.0 Elevation of ignition source. Water heaters having an ignition source shall be elevated such that the source of ignition is not less than eighteen (18) inches (four hundred fifty-seven (457) millimeters) above the floor in hazardous locations and public garages, private garages, repair garages, automotive service stations, and parking garages. Such equipment shall not be installed in Group H occupancies or control areas, as defined by the building code, where open-use, handling or dispensing of combustibles, flammable or explosive materials occurs.

505.0 Protection

505.1 All water heaters installed in areas where they may be subject to mechanical damage shall be guarded against such damage by being installed behind barriers or by being elevated or located out of the normal path of a vehicle using any such garage as required by the mechanical code.

505.2 A water heater supported from the ground shall rest on level concrete or other approved base extending not less than three (3) inches (seventy-six (76) millimeters) above the adjoining ground level.

505.3 When a water heater is located in an attic or furred space where damage may result from a leaking water heater, a watertight pan of corrosion resistant materials shall be installed beneath the water heater with a minimum three-fourths ($\frac{3}{4}$) inch (nineteen and one-tenth (19.1) millimeters) diameter drain to an approved location.

506.0 Other requirements. Water heaters shall be installed as required by the mechanical code. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-62; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3390*)

675 IAC 16-1.3-63 Section 601.1; running water required

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 63. Change section 601.1 to read as follows: Each plumbing fixture shall be provided with a supply of potable running

water piped thereto in an approved manner, so arranged as to flush and keep it in a clean and sanitary condition without danger of backflow or cross-connection. Water closets and urinals shall be flushed by means of an approved flush tank or flushometer valve. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-63; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3391)*

675 IAC 16-1.3-64 Section 602.1; unlawful connections

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 64. Change section 602.1 to read as follows: No installation of potable water supply piping or part thereof shall be made in such a manner that it will be possible for water or substances that do not comply with the requirements for potable water to enter any portion of such piping from any tank, receptacle, equipment, or plumbing fixture by reason of back-siphoning, by suction, or any other cause, either during normal use and operation thereof or when any such tank, receptacle, equipment, or plumbing fixture is flooded or subject to pressure in excess of the operating pressure in the hot or cold water piping. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-64; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3391)*

675 IAC 16-1.3-65 Section 602.4; unlawful connections

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 65. Delete section 602.4 and substitute to read as follows: No water supplied by any private water supply system shall be connected to any other source of supply. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-65; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3391)*

675 IAC 16-1.3-66 Section 603.0; cross-connection control

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 66. Change section 603.0 to read as follows: Cross-connection control shall be provided in accordance with the provisions of this chapter and TABLE 6-2.

No person shall install any water operated equipment or mechanism, or use any water treating chemical, or substance, if it is found that such equipment, mechanism, chemical, or substance may cause the potable water system not to comply with the requirements to be considered potable water. Such equipment or mechanism may be permitted only when equipped with an approved backflow prevention device or assembly. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-66; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3391)*

675 IAC 16-1.3-67 TABLE 6-2; backflow preventive devices, assemblies, and methods

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 67. Add to TABLE 6-2 an "X" in the two (2) Backpressure columns for Airgap. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-67; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3392)*

675 IAC 16-1.3-68 Section 603.1; approval of devices or assemblies

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 68. Delete section 603.1 and substitute to read as follows: Before any device or assembly is installed for the prevention of backflow, it shall have first been approved by the administrative authority. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-68; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3392)*

675 IAC 16-1.3-69 Section 603.3.1; general requirements

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 69. Change section 603.3.1 to read as follows: All backflow prevention assemblies shall conform to the applicable standards listed in TABLE 14-1. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-69; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3392)*

675 IAC 16-1.3-70 Section 603.3.2; general requirements

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 70. Change section 603.3.2 to read as follows: The owner of the structure shall have the backflow prevention assembly tested at the time of installation. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-70; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3392)*

675 IAC 16-1.3-71 Section 603.3.3; general requirements

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 71. Change section 603.3.3 to read as follows: Access and clearance shall be provided for the required testing. Access and clearance shall require a minimum of one (1) foot (three hundred five (305) millimeters) between the lowest portion of the assembly and grade, floor, or platform. Installations elevated more than five (5) feet (one thousand five hundred twenty-four (1,524) millimeters) above the floor or grade shall be provided with a permanent platform complying with the structural requirements and fire resistive requirements of the building code. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-71; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3392)*

675 IAC 16-1.3-72 Section 603.3.7; general requirements

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 72. Change section 603.3.7 to read as follows: Backflow assemblies and devices shall be protected from freezing and approved by the administrative authority. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-72; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3392)*

675 IAC 16-1.3-73 Section 603.4.2; water closet and urinal tanks

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 73. Change, in the last sentence of section 603.4.2, “equivalent” to “approved”. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-73; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3392)*

675 IAC 16-1.3-74 Section 603.4.4.1; heat exchangers

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 74. Change section 603.4.4.1 to read as follows: The potable water system shall be protected from the heat transfer medium used in heat exchangers when required by section 603.0. Double-wall heat exchangers shall separate the potable water from the heat transfer medium by providing a space between the two (2) walls which is vented to the atmosphere. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-74; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3392)*

675 IAC 16-1.3-75 Section 603.4.4.2; heat exchangers

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 75. Change section 603.4.4.2 to read as follows: For alternate design, see the General Administrative Rules (675 IAC 12-6-11). (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-75; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3392*)

675 IAC 16-1.3-76 Section 603.4.5; inlets to tanks, vats, sumps, and swimming pools

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 76. Change the third sentence of section 603.4.5 to read as follows: Where atmospheric vacuum breakers or airgaps are not installed, other approved backflow preventers may be installed in accordance with the requirements for that type of device or assembly as set forth in this chapter. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-76; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3392*)

675 IAC 16-1.3-77 Sections 603.4.6.2 and 603.4.6.4; protection from lawn sprinklers and irrigation systems

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 77. Add item "2" to the end of sections 603.4.6.2 and 603.4.6.4 to read as follows: 2. Airgap. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-77; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3393*)

675 IAC 16-1.3-78 Section 603.4.7; potable water outlets with hose attachments

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 78. Change the last sentence of section 603.4.7 to read as follows: A listed self-draining frost-proof hose bibb with an integral backflow preventer shall be used. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-78; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3393*)

675 IAC 16-1.3-79 Section 603.4.9; water cooled compressors, degreasers

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 79. Delete the Note to section 603.4.9. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-79; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3393*)

675 IAC 16-1.3-80 Section 603.4.12; nonpotable water piping

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 80. Change section 603.4.12 to read as follows: No drinking or domestic water outlets shall be connected to the nonpotable water line. Whenever possible, all portions of the nonpotable water line shall be exposed and all exposed portions shall be identified as approved by the administrative authority. Each outlet on the nonpotable water line, which may be used for drinking or domestic purposes, shall be posted "CAUTION: NONPOTABLE WATER, DO NOT DRINK". (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-80; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3393*)

675 IAC 16-1.3-81 Section 603.4.13; potable water supply to carbonators

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 81. Add a sentence to the end of section 603.4.13 to read as follows: Copper shall not be used downstream from the backflow preventer or backflow device. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-81; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3393)*

675 IAC 16-1.3-82 Section 603.4.14; water treatment units

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 82. Delete the first sentence of section 603.4.14. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-82; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3393)*

675 IAC 16-1.3-83 Section 603.4.18.1; protection from fire systems

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 83. Delete items 3 and 4 in section 603.4.18.1. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-83; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3393)*

675 IAC 16-1.3-84 Sections 603.4.18.2 and 603.4.18.3; protection from fire systems

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 84. Delete items 1 and 2 in sections 603.4.18.2 and 603.4.18.3 and substitute as follows:

1. Double check valve assembly.

2. Double check detector assembly.

(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-84; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3393)

675 IAC 16-1.3-85 Section 603.4.20; portable cleaning equipment, dental vacuum pumps

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 85. Change the title and text of section 603.4.20 to read as follows: Portable cleaning equipment, dental vacuum pumps, and chemical dispensers. Portable cleaning equipment, dental vacuum pumps, and chemical dispensers shall be protected from backflow by an airgap, an atmospheric vacuum breaker, a spill-proof vacuum breaker, or a reduced pressure principle backflow preventer, or pressure vacuum breaker. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-85; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3393)*

675 IAC 16-1.3-86 Section 604.1; materials

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 86. (a) Change the first sentence of section 604.1 to read as follows: Water pipe and fittings shall be of brass, copper, cast iron, galvanized malleable iron, galvanized wrought iron, galvanized steel, PEX, PB, or other approved materials.

(b) Change the third sentence of section 604.1 by deleting "recognized standards" and substitute to read as follows: the appropriate standards referenced in TABLE 14-1. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-86; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3393)*

675 IAC 16-1.3-87 Section 604.2; materials

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 87. Delete, in the exception to section 604.2, “or underground outside of structures”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-87; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3394*)

675 IAC 16-1.3-88 Section 606.1.2; mechanical joints

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 88. Change section 606.1.2 to read as follows: Mechanical joints for cast iron water pipes shall conform to the appropriate standards in TABLE 14-1. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-88; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3394*)

675 IAC 16-1.3-89 Section 606.1.3; mechanically formed tee fittings

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 89. Change, in the last paragraph of section 606.1.3, “brazed” to “brazed”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-89; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3394*)

675 IAC 16-1.3-90 Section 608.2; excessive water pressure

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 90. Delete, in the first sentence of section 608.2, “an adequate” and substitute “a”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-90; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3394*)

675 IAC 16-1.3-91 Section 608.3; excessive water pressure

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 91. (a) Delete, in the first paragraph of section 608.3, “adequately sized”.

(b) Delete, in the second paragraph in section 608.3, “adequately sized” and substitute to read as follows: and as required by TABLE 14-1. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-91; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3394*)

675 IAC 16-1.3-92 Section 609.1; installation

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 92. (a) Change the first sentence of section 609.1 to read as follows: All water piping shall be supported.

(b) Change the fifth sentence of section 609.1 to read as follows: All piping, equipment, appurtenances, and devices shall be installed in conformity with the provisions and intent of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-92; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3394*)

675 IAC 16-1.3-93 Section 609.3.1; installation

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 93. Change the first sentence of section 609.3.1 to read as follows: Ferrous piping shall have a protective coating of an approved type and machine applied. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-93; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3394*)

675 IAC 16-1.3-94 Sections 609.6, 609.7, 609.7.1, and 609.7.2; location

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 94. Delete sections 609.6, 609.7, 609.7.1, and 609.7.2. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-94; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3394*)

675 IAC 16-1.3-95 Section 609.8; low pressure cutoff required on booster pumps for water distribution systems

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 95. Change the second sentence of section 609.8 to read as follows: The cutoff switch shall be set for not less than twenty (20) pounds per square inch. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-95; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3394*)

675 IAC 16-1.3-96 Section 609.9; disinfection of potable water system

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 96. Delete sections 609.9 through 609.9.4. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-96; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3394*)

675 IAC 16-1.3-97 Section 609.10.1; air chambers

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 97. Delete section 609.10.1. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-97; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3394*)

675 IAC 16-1.3-98 Section 610.2; size of potable water piping

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 98. (a) Change the first paragraph of section 610.2 by deleting “adequately”.

(b) Change the second paragraph of section 610.2 by deleting “water filter, water softener,”.

(c) Delete the third paragraph of section 610.2. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-98; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3395*)

675 IAC 16-1.3-99 Section 610.5; size of potable water piping

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 99. Delete section 610.5. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-99; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3395*)

675 IAC 16-1.3-100 Section 610.6; size of potable water piping

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 100. Change section 610.6 to read as follows: Pressure losses through water treating equipment, backflow prevention devices, or other flow restricting devices shall be computed as required by section 610.2. (*Fire Prevention and Building Safety*

Commission; 675 IAC 16-1.3-100; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3395)

675 IAC 16-1.3-101 Section 610.14; exceptions

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 101. Change section 610.14 to read as follows: The provisions of this section relative to size of water piping need not apply to the following:

1. Water supply piping systems designed in accordance with recognized engineering procedures as approved by the administrative authority.
2. Alteration of, or minor additions to, existing installations, approved by the administrative authority.
3. Replacement of existing fixtures or appliances.
4. Piping which is part of fixture equipment.
5. Unusual conditions where approved by the administrative authority.
6. Nonpotable water lines as defined in section 603.4.12.

(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-101; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3395)

675 IAC 16-1.3-102 Section 611.0; water treatment units

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 102. Delete the first sentence of section 611.0. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-102; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3395)*

675 IAC 16-1.3-103 Sections 701.1.2 and 701.2.2; materials

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 103. Delete sections 701.1.2 and 701.2.2. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-103; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3395)*

675 IAC 16-1.3-104 Section 701.1.4; materials

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 104. Delete, in section 701.1.4, "DWV" and substitute "L". *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-104; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3395)*

675 IAC 16-1.3-105 Section 701.2.3; materials

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 105. Change, in section 701.2.3, "one-fourth ($\frac{1}{4}$) inch (20.9 mm/m)" to read "one-eighth ($\frac{1}{8}$) inch (10.45 mm/m)". *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-105; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3395)*

675 IAC 16-1.3-106 TABLE 7-3; drainage fixture unit values

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 106. Change TABLE 7-3 to read as follows: (a) Delete, in the Minimum Size Trap and Trap Arm column in TABLE 7-3, the first five (5) "2" superscript, one (1) for bar sink and four (4) "2" superscript for kitchen sink, domestic.

(b) Change the Clothes Washer, domestic 2" Standpipe⁵ to read Clothes Washer, domestic 1½" Standpipe⁵, and change the minimum size trap and trap arm to 1½" from 2".

(c) In the Individual Fixtures column, add after Mop Basin, 3" trap;" Mop Basin 2" Trap," with 2" added in the minimum size trap and trap arm column.

(d) Change "Shower Stall, 2" trap" to read "Shower Stall Commercial, 2" trap".

(e) In the Individual Fixtures column, add, after "Shower Stall Commercial, 2" Trap", add the following: "Shower Stall Residential, 1½" trap" and add 1½" to the minimum size trap and trap arm column.

(f) Change Whirlpool Bath or Combination Bath/Shower to read "Whirlpool Bath or Combination Bath/Shower commercial".

(g) In the Individual Fixtures column, add, after "Whirlpool Bath or Combination Bath/Shower commercial", "Whirlpool Bath or Combination Bath/Shower residential" and add 1½" to the minimum size trap and trap arm column.

(h) Delete, in TABLE 7-3, the Heavy-Use Assembly column under the Public heading. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-106; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3395*)

675 IAC 16-1.3-107 Section 703.3; size of drainage piping

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 107. Change section 703.3 to read as follows: For alternative methods see the General Administrative Rules (675 IAC 12-6-11). (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-107; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3396*)

675 IAC 16-1.3-108 TABLE 7-4; discharge capacity in gallons per minute

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 108. Delete, in TABLE 7-4, "the administrative authority" and substitute "local ordinance". (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-108; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3396*)

675 IAC 16-1.3-109 Section 704.4.4; closet rings (closet flanges)

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 109. Delete, in section 704.4.4, "adequately". (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-109; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3396*)

675 IAC 16-1.3-110 Section 704.4.5; closet rings (closet flanges)

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 110. Delete, in section 704.4.5, "adequate" and "properly". (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-110; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3396*)

675 IAC 16-1.3-111 TABLE 7-5; maximum unit loading and maximum length of drainage and vent piping

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 111. Delete TABLE 7-5 and substitute to read as follows:

TABLE 7-5

MAXIMUM UNIT LOADING OF DRAINAGE PIPING ⁶											
SIZE OF PIPE, INCHES (mm)	1¼	1½	2	2½	3	4	5	6	8	10	12

FIRE PREVENTION AND BUILDING SAFETY COMMISSION

	(32)	(38)	(51)	(64)	(76)	(102)	(127)	(152)	(203)	(254)	(305)
Maximum Units Drainage Piping ¹											
Vertical	1	2 ²	16 ³	32 ³	48 ⁴	256	600	1,380	3,600	5,600	8,400
Horizontal	1	1	8 ³	14 ³	35 ⁴	216 ⁵	428 ⁵	720 ⁵	2,640 ⁵	4,680 ⁵	8,200 ⁵
Maximum Length Drainage Piping											
Vertical, feet (m)	45	65	85	148	212	300	390	510	750		
Horizontal (Unlimited)	(14)	(20)	(26)	(45)	(45)	(91)	(119)	(155)	(228)	----	----

VENT PIPING

DIAMETER OF SOIL OR WASTE STACK (inches)	TOTAL FIXTURE UNITS BEING VENTED (dfu)	MAXIMUM DEVELOPED LENGTH OF VENT (feet) ⁶ DIAMETER OF VENT (inches) ⁶											
		1/4	1/2	2	2 1/2	3	4	5	6	8	10	12	
1 1/4	2	30											
1 1/2	8	50	150										
1 1/2	10	30	100										
2	12	30	75	200									
2	20	26	50	150									
2 1/2	42		30	100	300								
3	10		42	150	360	1,040							
3	21		32	110	270	810							
3	53		27	94	230	680							
3	102		25	86	210	620							
4	43			35	85	250	980						
4	140			27	65	200	750						
4	320			23	55	170	640						
4	540			21	50	150	580						
5	190				28	82	320	990					
5	490					21	63	250	760				
5	940					18	53	210	670				
5	1,400					16	49	190	590				
6	500						33	130	400	1,000			
6	1,100						26	100	310	780			
6	2,000						22	84	260	660			
6	2,900						20	77	240	600			
8	1,800							31	95	240	940		
8	3,400							24	73	190	720		
8	5,600							20	62	160	610		
8	7,600							18	56	140	560		
10	4,000								31	78	310	960	
10	7,200								24	60	240	740	
10	11,000								20	51	200	630	
10	15,000								18	46	180	570	
12	7,300									31	120	380	940

FIRE PREVENTION AND BUILDING SAFETY COMMISSION

12	13,000								24	94	300	720
12	20,000								20	79	250	610
12	26,000								18	72	230	500
15	15,000									40	130	310
15	25,000									31	96	240
15	38,000									26	81	200
15	50,000									24	74	180

¹Excluding trap arm.

²Except urinals.

³Except six-unit traps or water closets.

⁴Only four (4) five-unit traps allowed on any vertical pipe or stack; and not to exceed three (3) five-unit traps on any horizontal branch or drain.

⁵Based on one-fourth (1/4) inch per foot (twenty and nine-tenths (20.9) mm/m) slope. For one-eighth (1/8) inch per foot (ten and four-tenths (10.4) mm/m) slope, multiply horizontal fixture units by a factor of eight-tenths (0.8).

⁶See Chapter 9 for vent stacks and stack vents, common vents, wet venting, circuit venting, combination drain and vent systems, air admittance valves, and engineered vent systems.

Note: The diameter of an individual vent shall not be less than one and one-fourth (1 1/4) inches (thirty-one and eight-tenths (31.8) millimeters) nor less than one-half (1/2) the diameter of the drain to which it is connected. Fixture unit load values for drainage and vent piping shall be computed from TABLE 7-3 and TABLE 7-4. Not to exceed one-third (1/3) of the total permitted length of any vent may be installed in a horizontal position. When vents are increased one (1) pipe size for their entire length, the maximum length limitations specified in this TABLE do not apply. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-111; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3396*)

675 IAC 16-1.3-112 Section 705.1.2; cement mortar joints

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 112. Change section 705.1.2 to read as follows: Cement mortar joints are prohibited on building sewers. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-112; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3397*)

675 IAC 16-1.3-113 Section 705.1.7; elastomeric gasketed and rubber-ring joints

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 113. Delete, in section 705.1.7, "Installation Standards listed in Appendix I" and substitute "Standards listed in TABLE 14-1". (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-113; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3398*)

675 IAC 16-1.3-114 Section 705.1.9; hubless cast iron pipe joints

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 114. Delete, in section 705.1.9, "Installation Standards listed in Appendix I" and substitute "Standards listed in TABLE 14-1". (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-114; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3398*)

675 IAC 16-1.3-115 Section 707.2; cleanouts

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 115. Delete, in section 707.2, "acceptable to the administrative authority". (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-115; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3398*)

675 IAC 16-1.3-116 Section 707.15; cleanouts

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 116. Add section 707.15 after section 707.14 to read as follows:

707.15 Cleanouts; floor drains or other means.

707.15.1 A floor drain may serve as its own cleanout.

707.15.2 A fixture or trap may be removed to serve as a cleanout. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-116; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3398)*

675 IAC 16-1.3-117 TABLE 7-6; cleanouts

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 117. Change TABLE 7-6 to read as follows:

TABLE 7-6
Cleanouts

Size of Pipe (inches)	Size of Cleanout (inches)
1½	1½
2	1½
2½	2½
3	2½
4	3½
5 and 6	4
Over 6	6

(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-117; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3398)

675 IAC 16-1.3-118 Section 708.0; grade of horizontal drainage piping

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 118. Change section 708.0 to read as follows: Horizontal drainage piping shall be run in practical alignment and a uniform slope of not less than one-eighth ($\frac{1}{8}$) of an inch per foot (ten and forty-five hundredths (10.45) mm/m) or one percent (1%) toward the point of disposal provided that, where it is impractical due to the depth of the street sewer or to the structural features or to the arrangement of any building or structure to obtain a slope of one-eighth ($\frac{1}{8}$) of an inch per foot (ten and forty-five hundredths (10.45) mm/m) or one percent (1%), any such pipe or piping four (4) inches (one hundred two (102) millimeters) or larger in diameter may have a slope of less than one-eighth ($\frac{1}{8}$) of an inch per foot (ten and five-tenths (10.5) mm/m) or one percent (1%), when first approved by the administrative authority. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-118; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3398)*

675 IAC 16-1.3-119 Sections 710.3.2, 710.3.3, and 710.4; drainage of fixtures located below the next upstream manhole or below the main sewer level

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 119. (a) Delete, in section 710.3.2, “and gate valve”.

(b) Change, in section 710.3.3, “three (3) inches (seventy-six (76) millimeters)” to “two (2) inches (fifty-one (51) millimeters)”.

(c) Change the second paragraph of section 710.4 to read as follows: Gate valves, when used on drainage work, shall be full

way type with working parts of corrosion resistant material. Sizes four (4) inches (one hundred two (102) millimeters) or more in diameter shall have cast iron bodies. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-119; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3398)*

675 IAC 16-1.3-120 Section 710.5; drainage of fixtures located below the next upstream manhole or below the main sewer level

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 120. Delete, in section 710.5, “adequately”. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-120; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3398)*

675 IAC 16-1.3-121 Section 710.6; drainage of fixtures located below the next upstream manhole or below the main sewer level

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 121. (a) Delete, in the first paragraph of section 710.6, “an adequately sized” and substitute “a”.

(b) Delete “masonry”. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-121; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3399)*

675 IAC 16-1.3-122 Section 710.8; drainage of fixtures located below the next upstream manhole or below the main sewer level

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 122. Delete the second and third sentences of section 710.8. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-122; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3399)*

675 IAC 16-1.3-123 Section 710.10; drainage of fixtures located below the next upstream manhole or below the main sewer level

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 123. (a) Delete, in the first sentence of section 710.10, “substantial”.

(b) Delete, in the second sentence of section 710.10, “when permitted,”. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-123; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3399)*

675 IAC 16-1.3-124 Section 710.12; drainage of fixtures located below the next upstream manhole or below the main sewer level

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 124. (a) Delete, in section 710.12, “an approved” after “into” and before “sump”, and substitute “a”.

(b) Delete, in section 710.12, “satisfactory to” and substitute “approved by”. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-124; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3399)*

675 IAC 16-1.3-125 Section 711.0; suds relief

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 125. Change Exception 1 in section 711.0 to read as follows: One and Two Family Dwellings and Townhouses. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-125; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3399)*

675 IAC 16-1.3-126 Section 712.1; media

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 126. Change the second sentence of section 712.1 to read as follows: The removal of cleanouts may be required to ascertain if the pressure has reached all parts of the system. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-126; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3399)*

675 IAC 16-1.3-127 Section 713.1; sewer required

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 127. Delete, at the end of section 713.1, “, except as provided in sections 101.4.1.3, 713.2 and 713.4” and substitute to read as follows: as required by local ordinance. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-127; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3399)*

675 IAC 16-1.3-128 Section 713.2; sewer required

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 128. Delete, in section 713.2, “an approved” and substitute “a”. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-128; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3399)*

675 IAC 16-1.3-129 Sections 713.3, 713.4, 713.5, and 713.6; sewer required

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 129. Delete sections 713.3, 713.4, 713.5, 713.6 and substitute to read as follows: See local ordinance. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-129; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3399)*

675 IAC 16-1.3-130 Sections 714.1, 714.2, 714.3, and 714.5; damage to public sewer or private sewage disposal system

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 130. Delete sections 714.1, 714.2, 714.3, and 714.5. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-130; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3399)*

675 IAC 16-1.3-131 Section 714.4; damage to public sewer or private sewage disposal system

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 131. Change section 714.4 by deleting “permission has first been obtained from the administrative authority” and substituting “unless allowed by local ordinance”. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-131; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3399)*

675 IAC 16-1.3-132 Section 715.1; building sewer materials approval

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 132. Delete subsection 715.1 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-132; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3400*)

675 IAC 16-1.3-133 Section 716.0; markings

Authority: IC 22-13-2-2
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 133. Delete section 716.0. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-133; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3400*)

675 IAC 16-1.3-134 Section 717.0; size of building sewers

Authority: IC 22-13-2-2
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 134. Delete the second paragraph of section 717.0. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-134; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3400*)

675 IAC 16-1.3-135 Section 718.1; grade, support, and protection of building sewers

Authority: IC 22-13-2-2
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 135. Change section 718.1 to read as follows: Building sewers shall be run in practical alignment and at a uniform slope. The minimum slope of building sewers shall be in accordance with TABLE 7-9. Where conditions do not permit building sewers to be laid with a slope as great as specified in TABLE 7-9, then a lesser slope may be permitted provided the computed velocity will not be less than two (2) feet per second.

TABLE 7-9 SLOPE OF SEWER PIPE	
Size (inches)	Minimum Slope (inch per foot)
2½ or less	¼
3 to 6	⅛
8 or larger	1/16
Note: 1 inch per foot = 83.3 mm/m	

(*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-135; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3400*)

675 IAC 16-1.3-136 Section 718.2; grade, support, and protection of building sewers

Authority: IC 22-13-2-2
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 136. Change section 718.2 to read as follows: Building sewer piping shall be laid on a firm bed throughout its entire length, and any such piping laid in made or filled-in ground shall be laid on a bed of approved materials. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-136; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3400*)

675 IAC 16-1.3-137 Section 719.1; cleanouts

Authority: IC 22-13-2-2
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 137. Add a sentence to the end of section 719.1 to read as follows: The cleanout shall be line sized up to a maximum of 8". (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-137; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3400*)

675 IAC 16-1.3-138 Sections 721.1 and 721.2; location

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 138. Delete sections 721.1 and 721.2. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-138; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3400*)

675 IAC 16-1.3-139 Sections 722.1, 722.2, 722.3, 722.4, and 722.5; abandoned sewers and sewage disposal facilities

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 139. Delete sections 722.1, 722.2, 722.3, 722.4, and 722.5. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-139; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3400*)

675 IAC 16-1.3-140 Section 723.0; building sewer test

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 140. Delete, in section 723.0, “the administrative authority” and substitute “local ordinance”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-140; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3400*)

675 IAC 16-1.3-141 TABLE 7-7; minimum horizontal distance required from the building sewer

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 141. Delete TABLE 7-7 and substitute to read as follows: See local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-141; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3400*)

675 IAC 16-1.3-142 TABLE 7-8; maximum/minimum fixture unit loading on building sewer pipe

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 142. Delete, at the end of TABLE 7-8, “See also Appendix K, Private Sewage Disposal Systems. For Alternate methods of sizing drainage piping, see Appendix L.”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-142; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3401*)

675 IAC 16-1.3-143 Section 801.7; potable water pressure tanks, water treatment devices, boilers, and relief

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 143. Change the title to section 801.7 to read as follows: Potable Water Pressure Tanks, Water Treatment Devices, Boilers, and Relief Valves. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-143; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3401*)

675 IAC 16-1.3-144 Section 802.0; approvals

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 144. Delete section 802.0. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-144; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3401*)

675 IAC 16-1.3-145 Section 805.0; pressure drainage connections

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 145. Change the second paragraph of section 805.0 to read as follows: The foregoing shall not apply to any sump pump or to any pressure-wasting plumbing fixture or device when the drainage system is adequately sized to accommodate the anticipated discharge thereof. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-145; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3401)*

675 IAC 16-1.3-146 Section 807.3; appliances

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 146. Change Exception 2 to section 807.3 to read as follows: (2) Any materials approved in section 701.0 may be used when condensate waste from a fuel burning condensing appliance is diluted either before or after discharge into the drainage system. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-146; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3401)*

675 IAC 16-1.3-147 Section 807.4; appliances

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 147. Change section 807.4 as follows: (a) Delete “domestic”.

(b) Add an exception to the end of section 807.4 to read as follows: Exception: Dishwasher machines in dwelling units may discharge into a wye tailpiece or dishwasher waste outlet on a garbage disposal. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-147; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3401)*

675 IAC 16-1.3-148 Section 808.0; cooling water

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 148. Delete section 808.0. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-148; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3401)*

675 IAC 16-1.3-149 Section 810.0; steam and hot water drainage condensers and sumps

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 149. Delete, in the second sentence of section 810.0, “administrative authority or the”. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-149; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3401)*

675 IAC 16-1.3-150 Section 810.3; steam and hot water drainage condensers and sumps

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 150. Delete, in section 810.3, “suitable”. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-150; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3401)*

675 IAC 16-1.3-151 Section 811.1; chemical wastes

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 151. Delete section 811.1. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-151; filed Jun 30, 1999,*

2:53 p.m.: 22 IR 3401)

675 IAC 16-1.3-152 Section 811.7; chemical wastes

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 152. Delete section 811.7. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-152; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3401*)

675 IAC 16-1.3-153 Section 811.8; chemical wastes

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 153. Delete section 811.8. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-153; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3401*)

675 IAC 16-1.3-154 Section 815.2.2; point discharge

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 154. Change section 815.2.2 to read as follows: Other points of discharge as approved by the administrative authority. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-154; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3402*)

675 IAC 16-1.3-155 Chapter 9; vents

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 155. Delete the title and text of Chapter 9 and substitute to read as follows:

CHAPTER 9
VENTS

SECTION 901 GENERAL

901.1 Scope. The provisions of this chapter shall govern the materials, design, construction, and installation of vent systems.

901.2 Trap seal protection. The plumbing system shall be provided with a system of vent piping that will permit the admission or emission of air so that the seal of any fixture trap shall not be subjected to a pneumatic pressure differential of more than one (1) inch (two hundred forty-nine (249) Pascals) of water.

901.2.1 Venting required. Every trap and trapped fixture shall be vented in accordance with one (1) of the venting methods specified in this chapter.

Exception: Floor drains.

901.3 Chemical waste vent system. The vent system for a chemical waste system shall be independent of the sanitary vent system and shall terminate separately through the roof to the open air.

901.4 Use limitations. The plumbing vent system shall not be utilized for purposes other than the venting of the plumbing system.

901.5 Tests. The vent system shall be tested in accordance with section 712.

901.6 Engineered systems. Engineered venting systems shall conform to the provisions of sections 301.2.2 and 918.

SECTION 902 MATERIALS

902.1 Vents. The materials and methods utilized for the construction and installation of venting systems shall comply with the applicable provisions of section 701.

902.2 Sheet copper. Sheet copper for vent pipe flashings shall be approved and shall weigh not less than eight (8) ounces per square foot (two and five-tenths (2.5) kg/m²).

902.3 Sheet lead. Sheet lead for vent pipe flashings shall weigh not less than three (3) pounds per square foot (fifteen (15) kg/m²) for field constructed flashings and not less than two and one-half (2½) pounds per square foot (twelve (12) kg/m²) for prefabricated flashings.

SECTION 903 VENT STACKS AND STACK VENTS

903.1 Main vent required. Every sanitary drainage system receiving the discharge of a water closet shall have a main vent that is either a vent stack or a stack vent. Such vent shall run undiminished in size and as directly as possible from the building drain through to the open air above the roof.

903.2 Vent stack required. A vent stack shall be required for every drainage stack that is five (5) branch intervals or more.

903.3 Vent termination. Every vent stack or stack vent shall extend outdoors and terminate to the open air.

903.4 Vent connection at base. Every vent stack shall connect to the base of the drainage stack. The vent stack shall connect at or below the lowest horizontal branch. Where the vent stack connects to the building drain, the connection shall be located within ten (10) pipe diameters downstream of the drainage stack.

903.5 Vent headers. Stack vents and vent stacks connected into a common vent header at the top of the stacks and extending to the open air at one (1) point shall be sized in accordance with the requirements of section 916.1. The number of fixture units shall be the sum of all fixture units on all stacks connected thereto, and the developed length shall be the longest vent length from the intersection at the base of the most distant stack to the vent terminal in the open air as a direct extension of one (1) stack.

SECTION 904 VENT TERMINALS

904.1 Roof extension. All open vent pipes that extend through a roof shall be terminated at least six (6) inches above the roof, except that where a roof is to be used for any purpose other than weather protection, the vent extensions shall be run at least seven (7) feet (two thousand one hundred thirty-four (2,134) millimeters) above the roof.

904.2 Flashings. The juncture of each vent pipe with the roof line shall be made water tight by an approved flashing.

904.3 Prohibited use. Vent terminals shall not be used as a flag pole or to support flag poles, TV aerials, or similar items, except when the piping has been anchored in an approved manner.

904.4 Location of vent terminal. An open vent terminal from a drainage system shall not be located directly beneath any door, openable window, or other air intake opening of the building or of an adjacent building, and any such vent terminal shall not be within ten (10) feet (three thousand forty-eight (3,048) millimeters) horizontally of such an opening unless it is at least two (2) feet (six hundred ten (610) millimeters) above the top of such opening.

904.5 Extension through the wall. Vent terminals extending through the wall shall terminate a minimum of ten (10) feet (three thousand forty-eight (3,048) millimeters) from the lot line and ten (10) feet (three thousand forty-eight (3,048) millimeters) above average ground level. Vent terminals shall not terminate under the overhang of a structure with soffit vents. Side wall vent terminals shall be protected to prevent birds or rodents from entering or blocking the vent opening.

SECTION 905 VENT CONNECTIONS AND GRADES

905.1 Connection. All individual, branch, and circuit vents shall connect to a vent stack, stack vent, or extend to the open air.

Exception: Individual, branch, and circuit vents shall be permitted to terminate at an air admittance valve in accordance with section 917.

905.2 Grade. All vent and branch vent pipes shall be so graded and connected as to drain back to the drainage pipe by gravity.

905.3 Vent connection to drainage system. Every dry vent connecting to a horizontal drain shall connect above the centerline of the horizontal drain pipe.

905.4 Vertical rise of vent. Every dry vent shall rise vertically to a minimum of six (6) inches (one hundred fifty-two (152) millimeters) above the flood level rim of the highest trap or trapped fixture being vented.

905.5 Height above fixtures. A connection between a vent pipe and a vent stack or stack vent shall be made at least six (6) inches (one hundred fifty-two (152) millimeters) above the flood level rim of the highest fixture served by the vent. Horizontal vent pipes forming branch vents, relief vents, or loop vents shall be at least six (6) inches (one hundred fifty-two (152) millimeters) above the flood level rim of the highest fixture served.

905.6 Side inlet. Side inlet closet bends are permitted only in cases where the fixture connecting thereto is vented and in no case shall the inlet be used to vent a bathroom group without being washed by a fixture.

905.7 Vent for future fixtures. Where the drainage piping has been roughed-in for future fixtures, a rough-in connection for a vent shall be installed a minimum of one-half (½) the diameter of the drain. The vent rough-in shall connect to the vent system. The connection shall be identified to indicate that the connection is a vent.

SECTION 906 FIXTURE VENTS

906.1 Distance of trap from vent. Each fixture trap shall have a protecting vent located so that the slope and the developed length in the fixture drain from the trap weir to the vent fitting are within the requirements set forth in TABLE 906.1.

TABLE 906.1
MAXIMUM DISTANCE OF FIXTURE

TRAP FROM VENT

SIZE OF TRAP (inches)	SIZE OF FIXTURE DRAIN (inches)	SLOPE (inch per foot)	DISTANCE FROM TRAP (feet)
1¼	1¼	¼	3½
1¼	1½	¼	5
1½	1½	¼	5
1½	2	¼	8
2	2	¼	6
3	3	⅛	10
4	4	⅛	12

For SI: 1 inch = 25.4 mm, 1 inch per foot = 0.0833 mm/m, 1 foot = 304.8 mm.

NOTE: A trap arm serving only a bathtub or shower may be increased to nine (9) feet with a minimum slope of one-eighth (1/8) inch vertical in twelve (12) inches of horizontal run.

906.2 Venting of fixture drains. The vent for a fixture drain, except where serving a fixture with integral traps, such as water closets, shall connect above the weir of the fixture trap being vented.

906.3 Crown vent. A vent shall not be installed within two (2) pipe diameters of the trap weir.

SECTION 907 INDIVIDUAL VENT

907.1 Individual vent permitted. Each trap and trapped fixture is permitted to be provided with an individual vent. The individual vent shall connect to the fixture drain of the trap or trapped fixture being vented.

SECTION 908 COMMON VENT

908.1 Individual vent as common vent. An individual vent is permitted to vent two (2) traps or trapped fixtures as a common vent. The traps or trapped fixtures being common vented shall be located on the same floor level.

908.2 Connection at the same level. Where the fixture drains being common vented connect at the same level, the vent connection shall be at the interconnection of the fixture drains or downstream of the interconnection.

908.3 Connection at different levels. Where the fixture drains connect at different levels, the vent shall connect as a vertical extension of the vertical drain. The vertical drain pipe connecting the two (2) fixture drains shall be considered the vent for the lower fixture drain and shall be sized in accordance with TABLE 7-5. The upper fixture shall not be a water closet.

SECTION 909 WET VENTING

909.1 Wet vent permitted. Any combination of fixtures within two (2) bathroom groups located on the same floor level are permitted to be vented by a wet vent. The wet vent shall be considered the vent for the fixtures and shall extend from the connection of the dry vent along the direction of the flow in the drain pipe to the most downstream fixture drain connection to the horizontal branch drain. Only the fixtures within the bathroom groups shall connect to the wet-vented horizontal branch drain. Any additional fixtures shall discharge downstream of the wet vent.

909.2 Vent connection. The dry vent connection to the wet vent shall be an individual vent or common vent to the lavatory, bidet, shower, or bathtub.

909.3 Size. The wet vent shall be of a minimum size as specified in TABLE 909.3, based on the fixture unit discharge to the wet vent.

TABLE 909.3
WET VENT SIZE

WET VENT PIPE SIZE (inches)	DRAINAGE FIXTURE UNIT LOAD (dfu)
1½	1
2	4
2½	6
3	12

For SI: 1 inch = 25.4 mm.

SECTION 910 WASTE STACK VENT

910.1 Waste stack vent permitted. A waste stack shall be considered a vent for all of the fixtures discharging to the stack where

installed in accordance with the requirements of this section.

910.2 Stack installation. The waste stack shall be vertical, and both horizontal and vertical offsets shall be prohibited. Every fixture drain shall connect separately to the waste stack. The stack shall not receive the discharge of water closets or urinals.

910.3 Stack vent. A stack vent shall be provided for the waste stack. The size of the stack vent shall be equal to the size of the waste stack. Offsets shall be permitted in the stack vent and shall be located at least six (6) inches (one hundred fifty-two (152) millimeters) above the flood level of the highest fixture and shall be in accordance with section 905.2.

910.4 Waste stack size. The waste stack shall be sized based on the total discharge to the stack and the discharge within a branch interval in accordance with TABLE 910.4. The waste stack shall be the same size throughout the length of the waste stack.

TABLE 910.4
WASTE STACK VENT SIZE

STACK SIZE (inches)	MAXIMUM NUMBER OF DRAINAGE FIXTURE UNITS (dfu)	
	Total discharge into one branch interval	Total discharge for stack
1½	1	2
2	2	4
2½	No limit	8
3	No limit	24
4	No limit	50
5	No limit	75
6	No limit	100

For SI: 1 inch = 25.4 mm.

SECTION 911 CIRCUIT VENTING

911.1 Circuit vent permitted. A maximum of eight (8) fixtures connected to a horizontal branch drain shall be permitted to be circuit vented. Each fixture drain shall connect horizontally to the horizontal branch being circuit vented. The horizontal branch drain shall be classified as a vent from the most downstream fixture drain connection to the most upstream fixture drain connection to the horizontal branch.

911.1.1 Multiple circuit-vented branches. Circuit-vented horizontal branch drains are permitted to be connected together. Each group of a maximum of eight (8) fixtures shall be considered a separate circuit vent and shall conform to the requirements of this section.

911.2 Vent connection. The circuit vent connection shall be located between the two (2) most upstream fixture drains. The vent shall connect to the horizontal branch and shall be installed in accordance with section 905. The circuit vent pipe shall not receive the discharge of any soil or waste.

911.3 Slope and size of horizontal branch. The maximum slope of the vent section of the horizontal branch drain shall be one (1) unit vertical in twelve (12) units horizontal (eight percent (8%) slope). The entire length of the vent section of the horizontal branch drain shall be sized for the total drainage discharge to the branch.

911.3.1 Size of multiple circuit vent. Each separate circuit-vented horizontal branch that is interconnected shall be sized independently in accordance with section 911.3. The downstream circuit-vented horizontal branch shall be sized for the total discharge into the branch, including the upstream branches and the fixtures within the branch.

911.4 Relief vent. A relief vent shall be provided for circuit-vented horizontal branches receiving the discharge of four (4) or more water closets and connecting to a drainage stack that receives the discharge of soil or waste from upper horizontal branches.

911.4.1 Connection and installation. The relief vent shall connect to the horizontal branch drain between the stack and the most downstream fixture drain of the circuit vent. The relief vent shall be installed in accordance with section 905.

911.4.2 Fixture drain or branch. The relief vent is permitted to be a fixture drain or fixture branch for fixtures located within the same branch interval as the circuit-vented horizontal branch. The maximum discharge to a relief vent shall be four (4) fixture units.

911.5 Additional fixtures. Fixtures, other than the circuit-vented fixtures, are permitted to discharge to the horizontal branch drain. Such fixtures shall be located on the same floor as the circuit-vented fixtures and shall be either individually or common vented.

SECTION 912 COMBINATION DRAIN AND VENT SYSTEM

912.1 Type of fixtures. A combination drain and vent system shall not serve fixtures other than floor drains, standpipes, sinks, and lavatories.

912.2 Installation. The only vertical pipe of a combination drain and vent system shall be the connection between the fixture drain of a sink, lavatory, or standpipe, and the horizontal combination drain and vent pipe. The maximum vertical distance shall be eight

(8) feet (two thousand four hundred thirty-eight (2,438) millimeters).

912.2.1 Slope. The horizontal combination drain and vent pipe shall have a maximum slope of one-half (1/2) unit vertical in twelve (12) units horizontal (four percent (4%) slope). The minimum slope shall be in accordance with TABLE 7-5.

912.2.2 Connection. The combination drain and vent pipe shall connect to a horizontal drain that is vented or a vent, shall connect to the combination drain and vent. The vent connecting to the combination drain and vent pipe shall extend vertically a minimum of six (6) inches (one hundred fifty-two (152) millimeters) above the flood level rim of the highest fixture being vented before offsetting horizontally.

912.2.3 Vent size. The vent shall be sized for the total drainage fixture unit load in accordance with section 916.2.

912.2.4 Fixture branch or drain. The fixture branch or fixture drain shall connect to the combination drain and vent within a distance specified in TABLE 906.1. The combination drain and vent pipe shall be considered the vent for the fixture.

912.3 Size. The minimum size of a combination drain and vent pipe shall be in accordance with TABLE 912.3.

TABLE 912.3
SIZE OF COMBINATION DRAIN
AND VENT PIPE

DIAMETER PIPE (inches)	MAXIMUM NUMBER OF DRAINAGE FIXTURE UNITS (dfu)	
	Connecting to a horizontal branch or stack	Connecting to a building drain or building subdrain
2	3	4
2½	6	26
3	12	31
4	20	50
5	160	250
6	360	575

For SI: 1 inch = 25.4 mm.

SECTION 913 ISLAND FIXTURE VENTING

913.1 Limitation. Island fixture venting shall not be permitted for fixtures other than sinks and lavatories. Residential kitchen sinks with a dishwasher waste connection, a food waste grinder, or both, in combination with the kitchen sink waste, shall be permitted to be vented in accordance with this section.

913.2 Vent connection. The island fixture vent shall connect to the fixture drain as required for an individual or common vent. The vent shall rise vertically to above the drainage outlet of the fixture being vented before offsetting horizontally or vertically downward. The vent or branch vent for multiple island fixture vents shall extend to a minimum of six (6) inches (one hundred fifty-two (152) millimeters) above the highest island fixture being vented before connecting to the outside vent terminal.

913.3 Vent installation below the fixture flood level rim. The vent located below the flood level rim of the fixture being vented shall be installed as required for drainage piping in accordance with Chapter 7, except for sizing. The vent shall be sized in accordance with section 916.2. The lowest point of the island fixture vent shall connect full size to the drainage system. The connection shall be to a vertical drain pipe or to the top half of a horizontal drain pipe. Cleanouts shall be provided in the island fixture vent to permit rodding of all vent piping located below the flood level rim of the fixtures. Rodding in both directions shall be permitted through a cleanout.

SECTION 914 RELIEF VENTS-STACKS OF MORE THAN TEN (10) BRANCH INTERVALS

914.1 Where required. Soil and waste stacks in buildings having more than ten (10) branch intervals shall be provided with a relief vent at each tenth interval installed, beginning with the top floor.

914.2 Size and connection. The size of the relief vent shall be equal to the size of the vent stack to which it connects.

SECTION 915 VENTS FOR STACK OFFSETS

915.1 Vent for horizontal offset of drainage stack. Horizontal offsets of drainage stacks shall be vented where five (5) or more branch intervals are located above the offset. The offset shall be vented by venting the upper section of the drainage stack and the lower section of the drainage stack.

915.2 Upper section. The upper section of the drainage stack shall be vented as a separate stack with a vent stack connection installed in accordance with section 903.4. The offset shall be considered the base of the stack.

915.3 Lower section. The lower section of the drainage stack shall be vented by a yoke vent connecting between the offset and the

next lower horizontal branch. The yoke vent connection shall be permitted to be a vertical extension of the drainage stack. The size of the yoke vent and connection shall be a minimum of the size required for the vent stack of the drainage stack.

SECTION 916 VENT PIPE SIZING

916.1 Size of stack vents and vent stacks. The minimum required diameter of stack vents and vent stacks shall be determined from the developed length and the total of drainage fixture units connected thereto in accordance with TABLE 916.1, but in no case shall the diameter be less than one-half ($\frac{1}{2}$) the diameter of the drain served or less than one and one-fourth ($1\frac{1}{4}$) inches (thirty-two (32) millimeters).

916.2 Other vents. The diameter of individual vents, branch vents, circuit vents, and relief vents shall be at least one-half ($\frac{1}{2}$) the required diameter of the drain served. The required size of the drain shall be determined in accordance with Chapter 7. Vent pipes shall not be less than one and one-fourth ($1\frac{1}{4}$) inch (thirty-two (32) millimeters) in diameter. Vents exceeding forty (40) feet (twelve thousand one hundred ninety-two (12,192) millimeters) in developed length shall be increased by one (1) nominal pipe size for the entire developed length of the vent pipe. Relief vents for soil and waste stacks in buildings having more than ten (10) branch intervals shall be sized in accordance with section 914.2.

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TABLE 916.1
 SIZE AND DEVELOPED LENGTH OF STACK VENTS AND VENT STACKS

DIAMETER OF SOIL OR WASTE STACK (inches)	TOTAL FIXTURE UNITS BEING VENTED (dfu)	MAXIMUM DEVELOPED LENGTH OF VENT (feet) ^a										
		DIAMETER OF VENT (inches)										
		1¼	1½	2	2½	3	4	5	6	8	10	12
1¼	2	30										
1½	8	50	150									
1½	10	30	100									
2	12	30	75	200								
2	20	26	50	150								
2½	42		30	100	300							
3	10		42	150	360	1,040						
3	21		32	110	270	810						
3	53		27	94	230	680						
3	102		25	86	210	620						
4	43			35	85	250	980					
4	140			27	65	200	750					
4	320			23	55	170	640					
4	540			21	50	150	580					
5	190				28	82	320	990				
5	490				21	63	250	760				
5	940				18	53	210	670				
5	1,400				16	49	190	590				
6	500					33	130	400	1,000			
6	1,100					26	100	310	780			
6	2,000					22	84	260	660			
6	2,900					20	77	240	600			
8	1,800						31	95	240	940		
8	3,400						24	73	190	720		
8	5,600						20	62	160	610		
8	7,600						18	56	140	560		
10	4,000							31	78	310	960	
10	7,200							24	60	240	740	
10	11,000							20	51	200	630	
10	15,000							18	46	180	570	
12	7,300								31	120	380	940
12	13,000								24	94	300	720
12	20,000								20	79	250	610
12	26,000								18	72	230	500
15	15,000									40	130	310
15	25,000									31	96	240
15	38,000									26	81	200
15	50,000									24	74	180

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

^aThe developed length shall be measured from the vent connection to the open air.

916.3 Developed length. The developed length of individual, branch, circuit, and relief vents shall be measured from the farthest point of vent connection to the drainage system to the point of connection to the vent stack, stack vent, or termination outside of the building.

916.4 Multiple branch vents. Where multiple branch vents are connected to a common branch vent, the common branch vent shall be sized in accordance with this section based on the size of the common horizontal drainage branch that is or would be required to serve the total drainage fixture unit (dfu) load being vented.

916.4.1 Multiple branch vents exceeding forty (40) feet (twelve thousand one hundred ninety-two (12,192) millimeters) in developed length. Multiple branch vents exceeding forty (40) feet (twelve thousand one hundred ninety-two (12,192) millimeters) in developed length shall be increased by nominal size for the entire developed length of the vent pipe.

916.5 Sump vents. Sump vent sizes shall be determined in accordance with sections 916.5.1 and 916.5.2.

916.5.1 Sewage pumps and sewage ejectors other than pneumatic. Drainage piping below sewer level shall be vented in a similar manner to that of a gravity system. Building sump vent sizes for sumps with sewage pumps or sewage ejectors, other than pneumatic, shall be determined in accordance with TABLE 916.5.1.

916.5.2 Pneumatic sewage ejectors. The air pressure relief pipe from a pneumatic sewage ejector shall be connected to an independent vent stack terminating as required for vent extensions through the roof. The relief pipe shall be sized to relieve air pressure inside the ejector to atmospheric pressure, but shall not be less than one and one-fourth (1¼) inches (thirty-two (32) millimeters) in size.

TABLE 916.5.1
SIZE AND LENGTH OF SUMP VENTS

DISCHARGE CAPACITY OF PUMP (gpm)	MAXIMUM DEVELOPED LENGTH OF VENT (feet) ^a					
	Diameter of vent (inches)					
	1¼	1½	2	2½	3	4
10	No limit ^b	No limit	No limit	No limit	No limit	No limit
20	270	No limit	No limit	No limit	No limit	No limit
40	72	160	No limit	No limit	No limit	No limit
60	31	75	270	No limit	No limit	No limit
80	16	41	150	380	No limit	No limit
100	10 ^c	25	97	250	No limit	No limit
150	Not permitted	10 ^c	44	110	370	No limit
200	Not permitted	Not permitted	20	60	210	No limit
250	Not permitted	Not permitted	10	36	132	No limit
300	Not permitted	Not permitted	10 ^c	22	88	380
400	Not permitted	Not permitted	Not permitted	10 ^c	44	210
500	Not permitted	Not permitted	Not permitted	Not permitted	24	130

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 gpm = 3.785 L/m.

^aDeveloped length plus an appropriate allowance for entrance losses and friction due to fittings, changes in direction and diameter. Suggested allowances shall be obtained from approved sources. An allowance of fifty percent (50%) of the developed length shall be assumed if a more precise value is not available.

^bActual values greater than five hundred (500) feet.

^cLess than ten (10) feet.

SECTION 917 AIR ADMITTANCE VALVES

917.1 General. Vent systems utilizing air admittance valves shall comply with this section. Individual and branch-type air admittance valves shall conform to ASSE 1051.

917.2 Installation. The valves shall be installed in accordance with the requirements of this section and the manufacturer's installation instructions. Air admittance valves shall be installed after the DWV testing required by section 712 has been performed.

917.3 Where permitted. Individual, branch, and circuit vents shall be permitted to terminate with a connection to an air admittance valve. The air admittance valve shall only vent fixtures that are on the same floor level and connect to a horizontal branch drain. The horizontal branch drain shall conform to section 917.3.1 or 917.3.2.

917.3.1 Location of branch. The horizontal branch drain shall connect to the drainage stack or building drain a maximum of four (4) branch intervals from the top of the stack.

917.3.2 Relief vent. The horizontal branch shall be provided with a relief vent that shall connect to a vent stack, or stack vent, or extend outdoors to the open air. The relief vent shall connect to the horizontal branch drain between the stack or building drain and the most downstream fixture drain connected to the horizontal branch drain. The relief vent shall be sized in accordance with section 916.2 and installed in accordance with section 905. The relief vent shall be permitted to serve as the vent for other fixtures.

917.4 Location. The air admittance valve shall be located a minimum of four (4) inches (one hundred two (102) millimeters) above the horizontal branch drain or fixture drain being vented. The air admittance valve shall be located within the maximum developed length permitted for the vent. The air admittance valve shall be installed a minimum of six (6) inches (one hundred fifty-two (152) millimeters) above insulation materials.

917.5 Access and ventilation. Access shall be provided to all air admittance valves. The valve shall be located within a ventilated space that allows air to enter the valve.

917.6 Size. The air admittance valve shall be rated for the size of the vent to which the valve is connected.

917.7 Vent required. Within each plumbing system, a minimum of one (1) stack vent or vent stack shall extend outdoors to the open air.

917.8 Prohibited installations. Air admittance valves shall not be installed in nonneutralized special waste systems. Valves shall not be located in spaces utilized as supply or return air plenums.

SECTION 918 ENGINEERED VENT SYSTEMS

918.1 General. Engineered vent systems shall comply with this section and section 301.2.2.

918.2 Individual branch fixture and individual fixture header vents. The maximum developed length of individual fixture vents to vent branches and vent headers shall be determined in accordance with TABLE 918.2 for the minimum pipe diameters at the indicated vent airflow rates.

The individual vent airflow rate shall be determined in accordance with the following:

$$Q_{h,b} = N_{n,b} Q_v$$

For SI: $Q_{h,b} = N_{n,b} Q_v$ (0.4719 L/s)

Where: $N_{n,b}$ = Number of fixtures per header (or vent branch), total number of fixtures connected to vent stack.

$Q_{h,b}$ = Vent branch or vent header airflow rate (cfm).

Q_v = Total vent stack airflow rate (cfm).

$$Q_v \text{ (gpm)} = 27.8 r_s^{2/3} (1 - r_s) D^{8/3}$$

$$Q_v \text{ (cfm)} = 0.134 Q_v \text{ (gpm)}$$

Where: D = Drainage stack diameter (inches).

Q_w = Design discharge load (gpm).

r_s = Waste water flow area to total area.

$$\frac{Q_w}{27.8 D^{8/3}}$$

Individual vent airflow rates are obtained by equally distributing $Q_{h,b}$ into one-half (1/2) the total number of fixtures on the branch or header for more than two (2) fixtures; for an odd number of total fixtures, decrease by one (1); for one (1) fixture, apply the full value of $Q_{h,b}$.

Individual vent developed length shall be increased by twenty percent (20%) of the distance from the vent stack to the fixture vent connection on the vent branch or header.

TABLE 918.2
 MINIMUM DIAMETER AND MAXIMUM LENGTH OF
 INDIVIDUAL BRANCH FIXTURE VENTS AND
 INDIVIDUAL FIXTURE HEADER VENTS FOR SMOOTH PIPES

DIAMETER OF VENT PIPE (inches)	INDIVIDUAL VENT AIRFLOW RATE (cubic feet per minute)																			
	Maximum developed length of vent (feet)																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1/2	95	25	13	8	5	4	3	2	1	1	1	1	1	1	1	1	1	1	1	1
3/4	100	88	47	30	20	15	10	9	7	6	5	4	3	3	3	2	2	2	2	1
1	-	-	100	94	65	48	37	29	24	20	17	14	12	11	9	8	7	7	6	6
1 1/4	-	-	-	-	-	-	-	100	87	73	62	53	46	40	36	32	29	26	23	21
1 1/2	-	-	-	-	-	-	-	-	-	-	-	100	96	84	75	67	60	54	49	45
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100

For SI: 1 inch = 25.4 mm, 1 cfm = 0.4719 L/s, 1 foot = 304.8 mm.

(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-155; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3402)

675 IAC 16-1.3-156 TABLE 10-1; horizontal distance of trap arms

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 156. Delete TABLE 10-1 and substitute to read as follows: See TABLE 906.1. (Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-156; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3409)

675 IAC 16-1.3-157 Section 1003.2; traps-described

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 157. (a) Change, in section 1003.1, “one (1)” to read “two (2)”.

(b) Change, in section 1003.2, “fitting” to read “fittings”. (Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-157; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3409)

675 IAC 16-1.3-158 Section 1004.0; traps-prohibited

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 158. Change the fourth sentence of section 1004.0 to read as follows: Drum and bottle traps may be installed only when permitted by local ordinance for special conditions. (Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-158; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3409)

675 IAC 16-1.3-159 Section 1005.0; trap seals

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 159. Change section 1005.0 to read as follows: Each fixture trap shall have a water seal of not less than two (2) inches (fifty-one (51) millimeters) and not more than four (4) inches (one hundred two (102) millimeters) unless approved. Traps shall be set true with respect to their water seals, and, where necessary, they shall be protected from freezing. (Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-159; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3409)

675 IAC 16-1.3-160 Section 1006.0; floor drain traps

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 160. Delete, in the last sentence of section 1006.0, “an approved” and substitute “a”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-160; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3409*)

675 IAC 16-1.3-161 Section 1007.0; trap seal protection

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 161. (a) Change the first sentence of section 1007.0 to read as follows: Floor drain or similar traps directly connected to the drainage system and subject to infrequent use shall be provided with an approved automatic means of maintaining their water seals.

(b) Add an exception to the end of section 1007.0 to read as follows: Exception: One (1) and two (2) family dwellings, townhouses, and dwelling units. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-161; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3409*)

675 IAC 16-1.3-162 Section 1008.0; building traps

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 162. Change section 1008.0 to read as follows: Building traps shall not be installed. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-162; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3409*)

675 IAC 16-1.3-163 Section 1009.1; when required

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 163. Change section 1009.1 to read as follows: Interceptors (clarifiers) (including grease, oil, and sand interceptors (clarifiers), etc.) shall be provided when they are necessary for the handling of liquid wastes containing grease, flammable wastes, sand, solids, acid, or alkaline substances. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-163; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3409*)

675 IAC 16-1.3-164 Section 1009.2; approval

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 164. Change section 1009.2 to read as follows: The size, type, and location of each interceptor (clarifier) or separator shall be approved by the administrative authority. No wastes other than those requiring treatment or separation shall be discharged into any interceptor (clarifier). (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-164; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3410*)

675 IAC 16-1.3-165 Section 1009.5; location

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 165. Change section 1009.5 to read as follows: Each interceptor (clarifier) cover shall be readily accessible. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-165; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3410*)

675 IAC 16-1.3-166 Section 1009.6; maintenance of interceptors

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 166. Delete section 1009.6. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-166; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3410*)

675 IAC 16-1.3-167 Section 1011.0; minimum requirement for auto wash racks

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 167. Delete, in section 1011.0, "adequately". (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-167; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3410*)

675 IAC 16-1.3-168 Section 1012.0; laundries

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 168. Change section 1012.0 to read as follows: Laundry equipment that does not have integral stainers shall discharge into an interceptor having a wire basket or similar device, that is removable for cleaning and that will prevent passage into the drainage system of solids one-half (½) inch (twelve and seven-tenths (12.7) millimeters) or larger in maximum dimension such as string, rags, or buttons. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-168; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3410*)

675 IAC 16-1.3-169 Section 1014.1; grease traps and grease interceptors

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 169. Change section 1014.1 to read as follows: An approved type grease trap complying with the provisions of this section shall be installed in the waste line leading from sinks, drains, and other fixtures or equipment in establishments such as restaurants, cafes, lunch counters, cafeterias, bars and clubs, hotel, hospital, sanitarium, factory, or school kitchens, or other establishments where grease may be introduced into the drainage or sewage system in quantities that can effect line stoppage or hinder sewage treatment or private sewage disposal. A grease trap is not required for individual dwelling units or for any private living quarters.

Exception: Listed grease traps or grease interceptors with approved type flow controls or restricting devices may be installed in an accessible location in accordance with the manufacturer's instructions.

(*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-169; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3410*)

675 IAC 16-1.3-170 Section 1014.3; grease traps and grease interceptors

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 170. Change section 1014.3 by deleting the exception. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-170; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3410*)

675 IAC 16-1.3-171 Section 1014.6; grease traps and grease interceptors

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 171. Delete section 1014.6. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-171; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3410*)

675 IAC 16-1.3-172 Section 1014.10; grease interceptors for commercial kitchens

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 172. Delete section 1014.10. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-172; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3410*)

675 IAC 16-1.3-173 Section 1015.0; food waste disposal and dishwasher prohibited

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 173. Change section 1015.0 to read as follows: Unless specifically permitted by local ordinance, no food waste disposal unit or dishwasher shall be connected to or discharge into any grease trap or interceptor. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-173; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3410*)

675 IAC 16-1.3-174 TABLE 10-2; grease traps

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 174. Change, in the Note to TABLE 10-2, “permit” to “approve”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-174; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3411*)

675 IAC 16-1.3-175 Section 1016.1.2; where required

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 175. Delete section 1016.1.2. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-175; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3411*)

675 IAC 16-1.3-176 Section 1016.4; alternate design

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 176. Change section 1016.4 to read as follows: Alternate designs for construction or baffling of sand interceptors complying with the intent of this code shall be submitted to the office of the state building commissioner in accordance with the General Administrative Rules (675 IAC 12-6-11). (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-176; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3411*)

675 IAC 16-1.3-177 Section 1017.1; interceptors required

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 177. (a) Change the first sentence of section 1017.1 by adding to the end of the first sentence “as required by the building code”.

(b) Change the seventh sentence by deleting at the end of the sentence “and meeting the requirements of the administrative authority”. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-177; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3411*)

675 IAC 16-1.3-178 Section 1017.2; design of interceptors

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 178. Delete, in section 1017.2, the third sentence in the second paragraph. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-178; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3411*)

675 IAC 16-1.3-179 Section 1017.2.1; design of interceptors

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 179. Add section 1017.2.1 after section 1017.2 to read as follows: Alternate design. Alternate design for construction of oil and flammable liquids interceptors complying with the intent of this code shall be submitted to the office of the state building commissioner in accordance with the General Administrative Rules (675 IAC 12-6-11). (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-179; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3411*)

675 IAC 16-1.3-180 Section 1017.3; combination oil and sand interceptor

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 180. Delete, at the end of section 1017.3, "See also Appendix H, Procedures for Sizing Commercial Kitchen Grease Interceptors". (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-180; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3411*)

675 IAC 16-1.3-181 Section 1101.1; where required

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 181. Delete section 1101.1. The locations to where storm drainage must be directed may be regulated by local ordinance. Storm drainage systems is [*sic., are*] the remaining subject matter of this chapter. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-181; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3411*)

675 IAC 16-1.3-182 Section 1101.2; storm water drainage to sanitary sewer prohibited

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 182. Delete section 1101.2. The locations to where storm drainage must be directed may be regulated by local ordinance. Storm drainage is the remaining subject matter of this chapter. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-182; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3411*)

675 IAC 16-1.3-183 Section 1101.10; paved areas

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 183. Delete section 1101.10. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-183; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3411*)

675 IAC 16-1.3-184 Section 1101.11.1; primary roof drainage

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 184. Change the third sentence of section 1101.11.1 to read as follows: Roof drains, gutters, vertical conductors or leaders, and horizontal storm drains for primary drainage within or on the structure shall be sized based on a storm of sixty (60) minutes duration and one hundred (100) year return period (See Appendix D). (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-184; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3411*)

675 IAC 16-1.3-185 Sections 1101.11.2.1; secondary roof drainage

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 185. Delete the second sentence of section 1101.11.2.1. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-185; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3412)*

675 IAC 16-1.3-186 Sections 1101.11.2.2 and 1101.11.2.3; secondary roof drainage

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 186. Delete sections 1101.11.2.2 and 1101.11.2.3. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-186; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3412)*

675 IAC 16-1.3-187 Section 1101.11.2.4; secondary roof drainage

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 187. Delete the second sentence of section 1101.11.2.4. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-187; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3412)*

675 IAC 16-1.3-188 Section 1106.2; size of horizontal storm drains and sewers

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 188. Change section 1106.2 to read as follows: The size of building storm drains or building storm sewers or any of their horizontal branches shall be based upon the maximum projected roof area to be handled and TABLE 11-2. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-188; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3412)*

675 IAC 16-1.3-189 Section 1106.4; side walls draining into a roof

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 189. Change, in item 1 of section 1106.4, “fifty (5)” to “fifty (50)”. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-189; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3412)*

675 IAC 16-1.3-190 Section 1108.1; application

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 190. Change section 1108.1 by adding item 14 to the end of the section to read as follows: (14) Compliance with the building code. *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-190; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3412)*

675 IAC 16-1.3-191 Section 1109.2.3; exceptions

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 191. Delete section 1109.2.3 and substitute to read as follows: Alternative methods of testing storm drainage systems complying with the intent of this code shall be submitted to the office of the state building commissioner in accordance with the General Administrative Rules (675 IAC 12-6-11). *(Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-191; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3412)*

675 IAC 16-1.3-192 Chapter 12; fuel piping

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 192. Delete Chapter 12. See the Indiana Mechanical Code (675 IAC 18) for fuel piping. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-192; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3412*)

675 IAC 16-1.3-193 Chapter 13; medical gas systems

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 193. Delete Chapter 13. See the building code (675 IAC 12) and the 1998 Indiana Fire Code (675 IAC 22) for medical gas systems. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-193; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3412*)

675 IAC 16-1.3-194 Chapter 14; mandatory referenced standard - TABLE 14-1

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 194. (a) Delete, in TABLE 14-1, the appliance and appurtenances referral standards and substitute to read as follows: Water heater relief valve drain tubes-ASME A112.4.1-93.

(b) Delete, in TABLE 14-1, the following standards:

(1) Prefabricated fiberglass church baptistries, IAPMO PS 98-96.

(2) Safe handling of solvent cements and primers used for joining thermoplastic pipe and fittings, F402-93, IAPMO IS 8-95, IAPMO IS 9-95, IAPMO IS 20-96.

(c) Delete, in TABLE 14-1, the standards for medical gas and vacuum systems and joining materials and methods-medical gas piping.

(d) Delete, in TABLE 14-1, the following standards:

(1) National fuel gas code, Z223.1-92/NFPA 54.

(2) Energy efficient design of new buildings except low-rise residential buildings, ASHRAE 90.1-89.

(3) Accessible and usable buildings and facilities, CABO A117.1-92.

(4) Drinking water treatment units-aesthetic effects, NSF 42-88.

(5) Drinking water treatment units-health effects, NSF 53-94.

(6) Reverse osmosis drinking water treatment systems, NSF 58-96.

(7) Liquefied petroleum gases, storage, and handling, NFPA 58-92.

(8) Smooth wall polyethylene (PE) pipe for use in drainage and waste disposal absorption fields, F 810-93.

(e) Delete, in TABLE 14-1, the standards for building sewer-combined.

(f) Delete Footnote number 1 from TABLE 14-1. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-194; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3412*)

675 IAC 16-1.3-195 TABLE 14-2; fixture and fitting standards

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 195. Delete, in TABLE 14-2, the following standards:

(1) Hot water dispensers, fixture-mounted, ANSI/ASSE 1023.

(2) Water heaters, electric, ANSI Z21.10.1.

(3) Water heaters, gas, Volume I, ANSI Z21.10.1.

(4) Water heaters, gas, Volume III, ANSI Z21.10.3.

(5) Water heaters, oil, ANSI Z21.10.1, UL 174, UL 732.

(*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-195; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3413*)

675 IAC 16-1.3-196 Appendix A; recommended rules for sizing the water supply system

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 196. Delete Appendix A. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-196; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3413*)

675 IAC 16-1.3-197 Appendix B; explanatory notes on combination waste and vent systems

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 197. Delete Appendix B. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-197; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3413*)

675 IAC 16-1.3-198 Appendix C; additional referenced standards

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 198. Delete Appendix C. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-198; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3413*)

675 IAC 16-1.3-199 Appendix D; sizing storm water drainage system

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 199. Appendix D is adopted. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-199; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3413*)

675 IAC 16-1.3-200 Appendix E; manufactured home parks and recreational vehicle parks

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 200. Delete Appendix E. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-200; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3413*)

675 IAC 16-1.3-201 Appendix G; graywater systems for single family dwellings

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 201. Delete Appendix G. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-201; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3413*)

675 IAC 16-1.3-202 Appendix H; recommended procedures for kitchen design, construction, and installation of commercial kitchen grease interceptors

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 202. Delete Appendix H. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-202; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3413*)

675 IAC 16-1.3-203 Appendix I; installation standards

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 203. Delete Appendix I. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-203; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3413*)

675 IAC 16-1.3-204 Appendix J; reclaimed water systems for nonresidential buildings

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 204. Delete Appendix J. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-204; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3413*)

675 IAC 16-1.3-205 Appendix K; private sewage disposal systems

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 205. Delete Appendix K. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-205; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3413*)

675 IAC 16-1.3-206 Appendix L; alternate plumbing systems

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 206. Delete Appendix L. See the General Administrative Rules (675 IAC 12-6-11) for alternate plumbing systems. (*Fire Prevention and Building Safety Commission; 675 IAC 16-1.3-206; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3414*)

Rule 2. American Society of Sanitary Engineers Standard 1051-1998

675 IAC 16-2-1 Title; availability

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 1. (a) This rule shall be published, except for incorporated documents, by the fire and building services department, for general distribution and use under that title.

(b) The American Society of Sanitary Engineers Standard 1051 is available for purchase from the Fire and Building Services Department, Indiana Government Center-South, 402 West Washington Street, Room W221, Indianapolis, Indiana 46204-2739. (*Fire Prevention and Building Safety Commission; 675 IAC 16-2-1; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3414*)

675 IAC 16-2-2 Adoption by reference

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 2. That certain document, being titled as American Society of Sanitary Engineers Standard 1051, 1998 Edition, published by the American Society of Sanitary Engineers, 28901 Clemens Road, Westlake, Ohio 44145, be and the same is hereby adopted by reference, as if fully set out in this rule, save and except those amendments made in this rule. (*Fire Prevention and Building Safety Commission; 675 IAC 16-2-2; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3414*)

675 IAC 16-2-3 Connections

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 3. Delete subsection 1.4.7 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 16-2-3; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3414*)

675 IAC 16-2-4 Code requirements; definitions

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 4. (a) Change section 4.1.6, code requirements, to read as follows: Installation shall be in accordance with the manufacturers' installation instructions and the plumbing code.

(b) Delete the first sentence of section 5.0. Definitions. (*Fire Prevention and Building Safety Commission; 675 IAC 16-2-4; filed Jun 30, 1999, 2:53 p.m.: 22 IR 3414*)

ARTICLE 17. ELECTRICAL CODES

Rule 1. Electrical Code (Repealed)

(*Repealed by Fire Prevention and Building Safety Commission; filed Feb 17, 1987, 3:15 pm: 10 IR 1389, eff Mar 1, 1987 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #86-153 was filed Feb 17, 1987.]*)

Rule 1.1. Indiana Electrical Code (Repealed)

(*Repealed by Fire Prevention and Building Safety Commission; filed Feb 21, 1990, 1:30 p.m.: 13 IR 1169*)

Rule 1.2. Indiana Electrical Code (Repealed)

(*Repealed by Fire Prevention and Building Safety Commission; filed Mar 9, 1994, 2:15 p.m.: 17 IR 1620*)

Rule 1.3. Indiana Electrical Code, 1993 Edition (Repealed)

(*Repealed by Fire Prevention and Building Safety Commission; filed Aug 15, 1997, 8:45 a.m.: 21 IR 107*)

Rule 1.4. Indiana Electrical Code, 1997 Edition (Repealed)

(*Repealed by Fire Prevention and Building Safety Commission; filed Jan 13, 2000, 9:56 a.m.: 23 IR 1381*)

Rule 1.5. Indiana Electrical Code, 1999 Edition

675 IAC 17-1.5-1 Adoption by reference

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 1. That certain document, being titled as National Electrical Code, 1999 edition, published by the National Fire Protection Association, Batterymarch Park, Quincy, Massachusetts 02269, is hereby incorporated by reference and made a part of this rule, except those portions as are amended and adopted in sections 3 through 15 of this rule. (*Fire Prevention and Building Safety Commission; 675 IAC 17-1.5-1; filed Jan 13, 2000, 9:56 a.m.: 23 IR 1379; errata filed Mar 7, 2000, 7:36 a.m.: 23 IR 1658*)

675 IAC 17-1.5-2 Title; availability

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 2. (a) This rule shall be known as the Indiana Electrical Code, 1999 edition, and shall be published, except for

incorporated documents, by the fire and building services department for general distribution and use under the title. Whenever the term "this code" is used within this rule, including incorporated documents, it shall mean the Indiana Electrical Code.

(b) This rule, with the incorporated National Electrical Code, 1999 edition, is available for purchase from the Fire and Building Services Department, 402 West Washington Street, Room E221, Indianapolis, Indiana 46204. (*Fire Prevention and Building Safety Commission; 675 IAC 17-1.5-2; filed Jan 13, 2000, 9:56 a.m.: 23 IR 1379*)

675 IAC 17-1.5-3 Section 90-2; scope

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14, IC 22-15; IC 36-7

Sec. 3. Section 90-2 is amended to read as follows: (a) Covered. This code covers: Installations of electric conductors and equipment within or on Class 1 and Class 2 structures, including industrialized building systems, and other premises wiring covered by rules of the Commission in this title.

(b) Class 1 and Class 2 structures covered by the One and Two Family Dwelling Code shall be made to comply with the provisions of this code, or the electrical provisions of the One and Two Family Dwelling Code (675 IAC 14).

(c) Not covered. This code does not cover:

(1) Installations in ships, watercraft, railway rolling stock, aircraft, automotive vehicles, and buildings or structures that are not Class 1 or Class 2 structures.

(2) Installations underground in mines.

(3) Installations of railways for generation, transformation, transmission, or distribution of power used exclusively for operation of rolling stock or installations used exclusively for signaling and communication purposes.

(4) Installations of communication equipment under the exclusive control of communication utilities, located outdoors or in building spaces used exclusively for such installations.

(5) Installations, including associated lighting under the exclusive control of electric utilities for the purpose of communication, or metering; or for the generation, control, transformation, transmission, and distribution of electric energy located in buildings used exclusively by utilities for such purposes or located outdoors on property owned or leased by the utility or on public highways, streets, roads, etc., or outdoors on private property by established rights such as easements.

(6) Installations of electrical wiring, equipment, and devices, factory installed in manufactured homes under the authority of the U.S. Department of Housing and Urban Development (HUD).

(*Fire Prevention and Building Safety Commission; 675 IAC 17-1.5-3; filed Jan 13, 2000, 9:56 a.m.: 23 IR 1379; errata filed Mar 7, 2000, 7:36 a.m.: 23 IR 1658*)

675 IAC 17-1.5-4 Section 90-4; enforcement

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13-2-7; IC 22-13-2-11; IC 22-14; IC 22-15; IC 36-7

Sec. 4. Section 90-4 is amended to read as follows: (a) Requirements covering enforcement, granting of variances, and approval of alternate methods or materials are covered in Indiana statutes and 675 IAC 12, the General Administrative Rules of the Commission.

(b) Wherever the term "authority having jurisdiction" is used, it shall mean the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the Commission.

(c) Wherever the term "special permission" is used, it shall mean a variance granted by the Commission under IC 22-13-2-11 or a variance granted by a political subdivision and approved by the Commission under IC 22-13-2-7(b). (*Fire Prevention and Building Safety Commission; 675 IAC 17-1.5-4; filed Jan 13, 2000, 9:56 a.m.: 23 IR 1379*)

675 IAC 17-1.5-5 Section 90-6; formal interpretations

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 5. Section 90-6 is deleted in its entirety without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 17-1.5-5; filed Jan 13, 2000, 9:56 a.m.: 23 IR 1380*)

675 IAC 17-1.5-6 Section 90-7; examination of equipment for safety

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 6. Section 90-7 is deleted in its entirety without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 17-1.5-6; filed Jan 13, 2000, 9:56 a.m.: 23 IR 1380*)

675 IAC 17-1.5-7 Section 90-8; wiring planning

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 7. Section 90-8 is deleted in its entirety without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 17-1.5-7; filed Jan 13, 2000, 9:56 a.m.: 23 IR 1380*)

675 IAC 17-1.5-8 Section 110-26; working clearances

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 8. Change the second exception to Section 110-26(a) to read as follows: When approved, smaller spaces may be permitted where all uninsulated parts are at a voltage no greater than thirty (30) volts RMS, or forty-two (42) volts peak, or sixty (60) volts DC. (*Fire Prevention and Building Safety Commission; 675 IAC 17-1.5-8; filed Jan 13, 2000, 9:56 a.m.: 23 IR 1380*)

675 IAC 17-1.5-9 Section 210-60; guest rooms

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 9. Section 210-60 is amended to read as follows: Guest rooms in hotels, motels, health care facilities, and similar occupancies shall have receptacle outlets installed in accordance with Section 210-52. See Section 210-8(b)(1).

EXCEPTION: In guest rooms of hotels, motels, health care facilities, and similar occupancies, the required number of receptacle outlets determined by Section 210-52(a) shall be permitted to be located convenient for permanent furniture layout and be readily accessible.

(*Fire Prevention and Building Safety Commission; 675 IAC 17-1.5-9; filed Jan 13, 2000, 9:56 a.m.: 23 IR 1380*)

675 IAC 17-1.5-10 Section 230-2; number of services

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 10. (a) Change the second sentence of 230-2 to read as follows: "For the purpose of Section 230-40, Exception No. 2 only, underground sets of conductors, size 1/0 and larger, running to the same location as close as practical and connected together at their supply end, but not connected together at their load end, shall be considered to be one (1) lateral."

(b) Amend Section 230-2(b), Special Occupancies, by deleting "By special permission" and inserting "When approved". (*Fire Prevention and Building Safety Commission; 675 IAC 17-1.5-10; filed Jan 13, 2000, 9:56 a.m.: 23 IR 1380; errata filed Mar 7, 2000, 7:36 a.m.: 23 IR 1658*)

675 IAC 17-1.5-11 Section 230-40; service-entrance conductors

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 11. Change the second exception to Section 230-40 to read as follows: Exception No. 2: Where two (2) to six (6) service disconnecting means in separate enclosures are grouped as close as practical at one (1) location and supply separate loads from one (1) service drop or lateral, one (1) set of service-entrance conductors shall be permitted to supply each or several such service

equipment enclosures. (*Fire Prevention and Building Safety Commission; 675 IAC 17-1.5-11; filed Jan 13, 2000, 9:56 a.m.: 23 IR 1380*)

675 IAC 17-1.5-11.5 Section 250-104; bonding of piping and exposed structural steel

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 11.5. Change Section 250-104(b) to read as follows: (b) Metal Gas Piping. Each aboveground portion of a gas piping system upstream from the equipment shutoff valve shall be electrically continuous. (*Fire Prevention and Building Safety Commission; 675 IAC 17-1.5-11.5; filed May 23, 2001, 4:02 p.m.: 24 IR 3066*)

675 IAC 17-1.5-12 Section 525-12; conductor clearances

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7 Sec. 12. Change Section 525-12(b) to read as follows: (b) Clearance to Rides and Attractions. Amusement rides and amusement attractions shall be maintained not less than ten (10) feet (three and forty-eight thousandths meters (3.048m)) in any direction from overhead conductors operating at six hundred (600) volts or less, except for the conductors supplying the amusement ride or attraction. Amusement rides or attractions shall not be located within fifteen (15) feet (four and fifty-seven hundredths meters (4.57m)) horizontally of conductors operating in excess of six hundred (600) volts. (*Fire Prevention and Building Safety Commission; 675 IAC 17-1.5-12; filed Jan 13, 2000, 9:56 a.m.: 23 IR 1380*)

675 IAC 17-1.5-13 Section 547-1; scope

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 13. Change Section 547-1 to read as follows: The provisions of this article shall apply to the following agricultural buildings or that part of a building as specified in (a) and (b) below, unless the building is not a Class 1 structure. Agricultural buildings that are not Class 1 buildings or structures may be regulated by local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 17-1.5-13; filed Jan 13, 2000, 9:56 a.m.: 23 IR 1380*)

675 IAC 17-1.5-14 Section 550-4; general requirements

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 14. Section 550-4(b) is amended by adding a second sentence to read as follows: Modular homes, constructed under 675 IAC 15, Industrialized Building Systems, shall comply with the provisions of Article 545 of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 17-1.5-14; filed Jan 13, 2000, 9:56 a.m.: 23 IR 1381*)

675 IAC 17-1.5-15 Section 600-1; electric signs and outline lighting

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 15. Section 600-1 Scope is amended to read as follows: This article covers the installation of conductors and equipment for electric signs and outline lighting as defined in Article 100 that are within or connected to Class 1 or Class 2 buildings or structures. (*Fire Prevention and Building Safety Commission; 675 IAC 17-1.5-15; filed Jan 13, 2000, 9:56 a.m.: 23 IR 1381*)

Rule 2. Indiana Safety Code for Health Care Facilities (Repealed)

(*Repealed by Fire Prevention and Building Safety Commission; filed Oct 6, 1987, 3:00 pm: 11 IR 787*)

Rule 3. Safety Code for Health Care Facilities (Repealed)

(*Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969*)

ARTICLE 18. MECHANICAL CODE

Rule 1. Indiana Mechanical Code (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Oct 28, 1988, 3:00 p.m.: 12 IR 588, eff Jan 2, 1989)

Rule 1.1. Indiana Mechanical Code, 1989 Edition (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 26, 1992, 5:00 p.m.: 16 IR 62, eff Nov 1, 1992)

Rule 1.2. Indiana Mechanical Code, 1992 Edition (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1754)

Rule 1.3. Indiana Mechanical Code, 1997 Edition

675 IAC 18-1.3-1 Title; availability

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 1. (a) This rule shall be known as the Indiana Mechanical Code, 1997 Edition, and shall be published, except for incorporated documents, by the fire and building services department, for general distribution and use under that title. Wherever the term "this code" is used within this rule, it shall mean the Indiana Mechanical Code, 1997 Edition.

(b) The Indiana Mechanical Code, 1997 Edition, is available for purchase from the Fire and Building Services Department, Indiana Government Center-South, 402 West Washington Street, Room W243, Indianapolis, Indiana 46204-2739. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-1; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1733)*

675 IAC 18-1.3-2 Adoption by reference

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 2. That certain document being titled as the International Mechanical Code, 1996 Edition, published by International Code Council, Inc., Building Officials and Code Administrators International, Inc., 4051 West Flossmoor Road, Country Club Hills, Illinois 60478-5795, International Conference of Building Officials, 5360 Workman Mill Road, Whittier, California 90601-2298, and Southern Building Code Congress International, Inc., 900 Montclair Road, Birmingham, Alabama 35213-1206, be and the same is hereby adopted by reference as if fully set out in this rule, save and except those amendments made in this rule. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-2; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1734)*

675 IAC 18-1.3-3 Subsection 101.1; title

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 3. Change subsection 101.1 Title: to read as follows: 101.1 Title: This code shall be known as the Indiana Mechanical Code, 1997 Edition, herein referred to as "this code". *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-3; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1734)*

675 IAC 18-1.3-4 Subsection 101.2; scope

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 4. Change subsection 101.2 to read as follows: The provisions of this code shall apply to the construction, alteration, and addition to mechanical systems that are permanently installed within or on Class 1 structures, except townhouses. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-4; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1734)*

675 IAC 18-1.3-5 Subsection 101.3; intent

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 5. Change subsection 101.3 to read as follows: The purpose of this code is to provide minimum standards to safeguard life or limb, property, and public welfare by regulating and controlling the design, construction, installation, quality of materials, and location of mechanical systems. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-5; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1734)*

675 IAC 18-1.3-6 Subsection 102.1; general

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 6. Delete, in the first sentence of subsection 102.1, “structures and premises” and substitute “Class 1 structures”. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-6; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1734)*

675 IAC 18-1.3-7 Subsection 102.3; maintenance

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 7. Delete subsection 102.3 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-7; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1734)*

675 IAC 18-1.3-8 Subsection 102.4; additions, alterations, or repairs

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 8. Change the title and text of subsection 102.4 to read as follows: Additions or alterations. Additions or alterations to a mechanical system shall conform to that required for a new mechanical system without requiring the existing mechanical system to comply with all of the requirements of this code. Additions or alterations shall not cause an existing mechanical system to become unsafe, hazardous, or overloaded.

Minor additions or alterations to existing mechanical systems shall meet the provisions for new construction unless such work is done in the same manner and arrangement as was in the existing system, is not hazardous, and is approved. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-8; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1734)*

675 IAC 18-1.3-9 Subsections 102.5, 102.6, 102.7, and 102.9; change of occupancy, historic buildings, moved buildings; requirements not covered by code

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 9. Delete subsections 102.5, 102.6, 102.7, and 102.9 and substitute to read as follows: See the General Administrative Rules, 675 IAC 12. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-9; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1734)*

675 IAC 18-1.3-10 Section 103; department of mechanical inspection

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 10. Delete section 103. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-10; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1734)*

675 IAC 18-1.3-11 Section 104; duties and powers of the code official

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 11. Delete section 104. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-11; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1735*)

675 IAC 18-1.3-12 Section 105; approval

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 12. Delete section 105 and substitute to read as follows: See the General Administrative Rules, 675 IAC 12. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-12; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1735*)

675 IAC 18-1.3-13 Section 106; permits

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 13. Delete section 106 and substitute to read as follows: Permits may be regulated by local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-13; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1735*)

675 IAC 18-1.3-14 Section 107; inspections and testing

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15-2-7; IC 36-7-2-9

Sec. 14. Delete section 107 and substitute to read as follows: Inspections and the testing addressed in section 107 may be regulated by state statute at IC 22-15-2-7 or by local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-14; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1735*)

675 IAC 18-1.3-15 Section 108; violations

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 15. Delete section 108. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-15; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1735*)

675 IAC 18-1.3-16 Section 109; means of appeal

Authority: IC 22-13-2-2

Affected: IC 4-21.5; IC 22-12-7; IC 22-13-2-7; IC 22-14; IC 22-15; IC 25-4; IC 25-31; IC 36-7-2-9

Sec. 16. Delete section 109 and substitute to read as follows: Appeals from orders issued by the fire prevention and building safety commission or the state building commissioner are governed by IC 4-21.5 and IC 22-12-7. Appeals from orders issued by a local unit of government are governed by IC 22-13-2-7 and local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-16; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1735*)

675 IAC 18-1.3-17 Section 202; definitions

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 25-4; IC 25-31; IC 36-7-2-9

Sec. 17. Change section 202 to read as follows: (a) Change the definition of approved to read as follows: APPROVED means, as to materials, equipment, products, and construction, acceptance by the code official by one (1) of the following methods:

investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

(b) Add the definition of "authority having jurisdiction" to read as follows: AUTHORITY HAVING JURISDICTION: See code official.

(c) Add the definition of "building code" to read as follows: BUILDING CODE means the Indiana Building Code for Class I structures, except townhouses in effect at the time of the addition, construction, or alteration.

(d) Delete the definition of "code" without substitution.

(e) Change the definition of "code official" to read as follows: CODE OFFICIAL means the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the commission. For the purposes of Industrialized Building Systems (675 IAC 15), code official means the state building commissioner.

(f) Delete the definition of "construction documents" and substitute to read as follows: See the General Administrative Rules, 675 IAC 12, for plan filing with the office of the state building commissioner and local ordinance for permitting requirements.

(g) Change the definition of "dwelling unit" to read as follows: DWELLING UNIT is any building or portion thereof which contains living facilities, including provisions for sleeping, eating, cooking, and sanitation for not more than one (1) family, or a congregate residence for ten (10) or fewer persons.

(h) Add a definition of "energy code" to read as follows: ENERGY CODE means the Indiana Energy Conservation Code, 675 IAC 19.

(i) Add a definition of "fire prevention code" to read as follows: FIRE PREVENTION CODE means the Indiana Fire Prevention Code, 675 IAC 22.

(j) Delete the definition of "flood zones" and substitute as follows: See local ordinance.

(k) Change the definition of "labeled" to read as follows: LABELED. Equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

(l) Change the definition of "listed" to read as follows: LISTED. Equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(m) Delete the definition of "mechanical equipment room".

(n) Add a definition of "NFPA 70" to read as follows: NFPA 70 means the Indiana Electrical Code, 675 IAC 17.

(o) Change the definition of "occupancy" to read as follows: OCCUPANCY. The purpose for which a building, or portion thereof, is utilized or occupied, as defined by the building code.

(p) Add a definition of "plumbing code" to read as follows: PLUMBING CODE means the Indiana Plumbing Code, 675 IAC 16.

(q) Change the definition of "registered design professional" to read as follows: REGISTERED DESIGN PROFESSIONAL. An architect or engineer who is registered under IC 25-4 or IC 25-31.

(r) Change the definition of "return air" to read as follows: RETURN AIR. Air removal from a conditioned space or location and recirculated or exhausted.

(s) Add a definition of "townhouse" to read as follows: TOWNHOUSE is a single family dwelling unit constructed in a row of attached units separated by property lines and with open space on at least two (2) sides. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-17; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1735*)

675 IAC 18-1.3-18 Subsection 301.3; listed and labeled

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 18. Change subsection 301.3 by deleting at the end of subsection 301.3 "in accordance with Section 105". (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-18; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1736*)

675 IAC 18-1.3-19 Subsection 301.4; labeling

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 19. Delete subsection 301.4. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-19; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1736*)

675 IAC 18-1.3-20 Subsection 301.5; label information

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 20. Change subsection 301.5 to read as follows: (a) Change the first sentence to read as follows: A permanent factory-applied nameplate(s) shall be affixed to equipment on which shall appear in legible lettering, the manufacturer's name or trademark, the model number, and serial number.

(b) Change item 4 to read as follows: 4. Electric comfort heating appliances: Name and trademark of the manufacturer; the model number or equivalent; the electric rating in volts, ampacity, and phase; Btu/h (W) output rating; individual marking for each electrical component in amperes or watts, volts, and phase; and the required clearances from combustibles. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-20; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1736*)

675 IAC 18-1.3-21 Subsection 301.11; repair

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 21. Change the title and text of subsection 301.11 to read as follows: Replacement. Defective material or parts shall be replaced in such a manner so as to preserve the original approval or listing. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-21; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1736*)

675 IAC 18-1.3-22 Subsection 301.13; flood hazard

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 22. Delete subsection 301.13 and substitute to read as follows: Flood hazards are specified in and regulated by local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-22; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1736*)

675 IAC 18-1.3-23 Subsection 304.1; general

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 23. Change the second sentence of subsection 304.1 by adding “, when listed,” after “appliances” and before “shall”. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-23; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1737*)

675 IAC 18-1.3-24 Subsection 304.2; elevation of ignition source

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 24. Change the second sentence of subsection 304.2 to read as follows: Such equipment shall not be installed in Group H occupancies or control areas, as defined by the building code, where open-use, handling, or dispensing of combustible, flammable, or explosive materials occurs. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-24; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1737*)

675 IAC 18-1.3-25 Subsection 306.1; clearances

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 25. Change the title and text of subsection 306.1 to read as follows: Clearances for replacement. Clearances around equipment and appliances to elements of permanent construction, including other installed equipment and appliances, shall be sufficient to allow inspection, service, or replacement without removing such elements of permanent construction or disabling the function of a required fire-resistance-rated assembly. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-25; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1737)*

675 IAC 18-1.3-26 Subsection 307.2.1; condensate disposal

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 26. Delete subsection 307.2.1 and substitute to read as follows: Condensate from all cooling coils or evaporators shall be conveyed from the drain pan outlet to an approved place of disposal. Where discharging to a sanitary sewer, such drains shall be indirectly connected in accordance with the plumbing code. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-26; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1737)*

675 IAC 18-1.3-27 Subsection 307.2.1.1; French drain

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 27. Delete subsection 307.2.1.1. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-27; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1737)*

675 IAC 18-1.3-28 Subsection 401.1; scope

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 28. Change subsection 401.1 to read as follows: This chapter shall govern the ventilation of spaces within a building when the ventilation is required by the building code or the fire prevention code. This chapter does not govern the requirements for smoke control systems. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-28; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1737)*

675 IAC 18-1.3-29 Subsection 401.7; opening location

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 29. Change the exception in subsection 401.7 to read as follows: EXCEPTION: Use Group R-2 and R-3 as defined by the building code. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-29; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1737)*

675 IAC 18-1.3-30 Subsection 401.7.1; intake openings

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 30. Change subsection 401.7.1 to read as follows: Mechanical and gravity outside air intake openings shall be located a minimum of ten (10) feet (three thousand forty-eight (3,048) mm) from any hazardous location. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-30; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1737)*

675 IAC 18-1.3-31 Subsection 401.7.2; exhaust openings

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 31. Change subsection 401.7.2 to read as follows: Exhaust air shall not be directed onto walkways. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-31; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1737*)

675 IAC 18-1.3-32 Subsection 401.9; contaminant sources

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 32. Delete subsection 401.9. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-32; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1737*)

675 IAC 18-1.3-33 Section 402; natural ventilation

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 33. Delete section 402 and substitute to read as follows: See the building code for natural ventilation requirements. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-33; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1737*)

675 IAC 18-1.3-34 Subsection 403.1; ventilation system

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 34. Delete subsection 403.1 and substitute to read as follows: Mechanical ventilation, except smoke control systems, when required by the building code or the fire prevention code shall be provided by a method of supply air and return or exhaust air. The amount of supply air shall be approximately equal to the amount of return and exhaust air. The system shall not be prohibited from producing a negative or positive pressure. The ventilation system shall be designed and installed in accordance with Chapter 6. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-34; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1738*)

675 IAC 18-1.3-35 Subsection 403.2; outdoor air required

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 35. Delete subsection 403.2 and substitute to read as follows: The minimum ventilation rate of outdoor air shall be as required by the building code. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-35; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1738*)

675 IAC 18-1.3-36 Subsection 403.2.1; recirculation of air

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 36. Delete subsection 403.2.1 and substitute to read as follows: Ventilation air shall not be recirculated from one (1) dwelling to another or to dissimilar occupancies. Supply air to a swimming pool and associated deck areas shall not be recirculated unless such air is dehumidified to maintain the relative humidity of the area at sixty percent (60%) or less. Air from this area shall not be recirculated to other spaces. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-36; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1738*)

675 IAC 18-1.3-37 Subsection 403.2.2; transfer air

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 37. Delete subsection 403.2.2 and substitute to read as follows: Air transferred from occupied spaces is not prohibited from serving as makeup air for required exhaust systems in such spaces as kitchens, baths, toilet rooms, elevators, and smoking lounges. The amount of transfer air and exhaust air shall be sufficient to provide the design flow rates. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-37; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1738*)

675 IAC 18-1.3-38 Subsection 403.3, Table 403.3, subsections 403.3.1, 403.3.2, 403.4, Table 403.4, and subsections 403.5 and 403.5.1; ventilation rate, required outdoor ventilation air, system operation, common ventilation system, contaminants, public garages, maximum contaminant concentrations in outdoor air, and minimum ventilation

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 38. Delete subsection 403.3, Table 403.3, subsections 403.3.1, 403.3.2, Table 403.4, and subsections 403.5 and 403.5.1 and substitute to read as follows: See the building code. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-38; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1738*)

675 IAC 18-1.3-39 Subsection 404.1; general

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 39. Delete subsection 404.1 and substitute to read as follows: Uninhabited spaces, such as crawl spaces and attics, shall be provided with natural ventilation openings as required by the building code. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-39; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1738*)

675 IAC 18-1.3-40 Subsection 501.1; scope

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 40. Change subsection 501.1 to read as follows: This chapter shall govern the design, construction, and installation of mechanical exhaust systems. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-40; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1738*)

675 IAC 18-1.3-41 Subsection 501.3; outdoor discharge

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 41. Delete subsection 501.3 and substitute to read as follows: The air removed by every mechanical exhaust system shall discharge to the atmosphere. The termination point for exhaust ducts discharging to the atmosphere shall be not less than the following:

1. Ducts conveying explosive or flammable vapors, fumes, or dusts: thirty (30) feet from property line; ten (10) feet from openings into the building; six (6) feet from exterior walls or roofs; thirty (30) feet from combustible walls or openings into the building which are in the direction of the exhaust discharge; or ten (10) feet above adjoining grade.
2. Other product-conveying outlets: ten (10) feet from property line; three (3) feet from exterior wall or roof; ten (10) feet from openings into the building; or ten (10) feet above adjoining grade.
3. Environmental air duct exhaust: three (3) feet from property line; or three (3) feet from openings into the building.

Air shall not be exhausted into an attic or crawl space. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-41; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1738*)

675 IAC 18-1.3-42 Subsection 501.4; pressure equalization

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 42. Change subsection 501.4 to read as follows: Mechanical exhaust systems shall be sized to remove the quantity of the air required by this code, the fire prevention code, and the building code. The system shall operate when air is required to be exhausted. Where mechanical exhaust is required in a room or space in other than occupancies in Use Group R-2 and R-3 as defined by the building code, such space shall be maintained with a neutral or negative pressure. If a greater quantity of air is supplied by a mechanical ventilating supply system than is removed by a mechanical exhaust system for a room, an approved means shall be provided for the natural exit of the excess air supplied. If only a mechanical exhaust system is installed for a room or if a greater quantity of air is removed by a mechanical exhaust system than is supplied by a mechanical ventilating supply system for a room, an approved means shall be provided for the natural supply of the deficiency in the air supplied. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-42; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1739*)

675 IAC 18-1.3-43 Section 502; required systems

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 43. Delete section 502 and substitute to read as follows: See the building code and the fire prevention code for required systems. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-43; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1739*)

675 IAC 18-1.3-44 Sections 506, 507, and 508; commercial kitchen grease ducts and exhaust equipment, makeup air, fire suppression systems

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 44. Delete the title, section numbers, and text of sections 506, 507, 508, and substitute to read as follows: Section 506 Commercial Kitchen Grease Ducts, Exhaust Equipment, Hoods, Makeup Air, and Fire Protection Equipment

506.1.1 For the purposes of this section, the following definitions shall apply:

AIR POLLUTION CONTROL DEVICES. Equipment and devices used for the purpose of cleaning air passing through or by them in such a manner as to reduce or remove the impurities contained therein.

*COMBUSTIBLE MATERIAL. Material subject to increase in combustibility or flame spread rating beyond the limits established in the definition of limited-combustible.

CONTINUOUS EXTERNAL WELD. A metal joining method without interruption as related to visibility and quality, located on the outside of the surfaces that directly contain and/or convey the grease-laden vapors of the cooking process(es). For the purpose of this definition, it specifically includes the exhaust compartment of hoods and welded joints of exhaust ducts, yet specifically does not include filter support frames or appendages inside hoods.

DAMPER. A valve or plate within a duct or its terminal components for controlling draft or the flow of gases, including air.

DUCTS (or Duct System). A continuous passageway for the transmission of air and vapors that, in addition to the containment components themselves, may include duct fittings, dampers, plenums, and/or other items or air handling equipment.

FUME INCINERATORS. Devices utilizing intense heat or fire to break down and/or oxidize vapors and odors contained in gases or air being exhausted into the atmosphere.

GREASE. Rendered animal fat, vegetable shortening, and other such oily matter used for the purposes of and resulting from cooking and/or preparing foods. Grease may be liberated and entrained with exhaust air, or may be visible as a liquid or solid.

GREASE DUCTS. A containment system for the transportation of air and grease vapors, designed and installed to reduce the possibility of the accumulation of combustible condensation and the occurrence of damage should a fire occur within the system.

GREASE FILTER. A component of the grease vapor removal system that deflects the air and vapors passing through it in a manner that causes the grease vapor concentration and/or condensation for the purpose of collection, leaving the exiting air with a lower amount of combustible matter.

GREASE REMOVAL DEVICES. Other components of the grease and vapor removal system that do not fit the definition of

grease filter yet are designed, installed, and perform by removing vapor suspended grease particles from the exhaust air/vapor stream or are designed to assist other devices in the removal of such vapors or particles.

GREASETIGHT. Constructed and performing in such a manner as not to permit the passage of any grease under normal cooking conditions.*

HOOD is an air-intake device connected to a mechanical exhaust system for collecting and removing grease, vapors, fumes, smoke, steam, heat, or odors from commercial food heat-processing equipment.

TYPE I HOOD is a kitchen hood for collecting and removing grease and smoke.

TYPE II HOOD is a general kitchen hood for collecting and removing steam, vapor, heat, or odors.

CANOPY HOOD means a hood located above the cooking equipment it serves and which overhangs equipment on all open sides.

COMPENSATING HOOD is a hood that has an outside air supply with air delivered below or within the hood. When makeup air is diffused directly into the exhaust within the hood cavity, it becomes a short-circuit hood.

*LABELED. Equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LIMITED-COMBUSTIBLE. As applied to a building construction material, a material, not complying with the definition of noncombustible material, that, in the form in which it is used, has a potential heat value not exceeding three thousand five hundred (3,500) Btu per pound and complies with one (1) of the following paragraphs (a) or (b). Materials subject to increase in combustibility or flame spread rating beyond the limits herein established through the effects of age, moisture, or other atmospheric condition shall be considered combustible.

(a) Materials having a structural base of noncombustible material, with a surfacing not exceeding a thickness of one-eighth ($\frac{1}{8}$) inch, which has a flame spread rating not greater than fifty (50).

(b) Materials, in the form and thickness used, other than as described in (a), having neither a flame spread rating greater than twenty-five (25) nor evidence of continued progressive combustion and of such composition that surfaces that would be exposed by cutting through the material on any plane would have neither a flame spread rating greater than twenty-five (25) nor evidence of continued progressive combustion.

LIQUIDTIGHT. Constructed and performing in such a manner as not to permit the passage of any liquid at any temperature.

NONCOMBUSTIBLE MATERIAL. A material that, in the form in which it is used and under the conditions anticipated, will not ignite, burn, support combustion, or release flammable vapors when subjected to fire or heat.*

MAKEUP AIR. Air supplied to the room where the hood is located approximately equal to the amount of air exhausted.

THERMAL RECOVERY UNIT. A device or series of devices whose purpose is to reclaim only the heat content of air, vapors, gases, and/or fluids that were being expelled through the exhaust system and to transfer the thermal energy so reclaimed to a location whereby a useful purpose may be served.

506.2 General requirements for hoods

506.2.1 Type I Hoods. Cooking equipment used in a process that produces smoke or grease-laden vapors shall be equipped with an exhaust system complying with Type I Hood requirements.

506.2.2 Type II Hoods. Equipment producing steam or heat that does not generate smoke or grease-laden vapors such as dishwashing machines shall be equipped with an exhaust system complying with Type II Hood requirements.

506.2.3 Solid Fuel. All solid fuel cooking equipment shall be served by a separate exhaust system that complies with Type I Hood requirements.

506.2.4 Alteration, Replacement, Relocation. Notification in writing shall be given to the code official of any alteration, replacement, or relocation of any exhaust system equipment, exhaust system, extinguishing equipment, or any part thereof.

506.2.5 Alternates. Alternate materials, methods, and design shall be in accordance with the General Administrative Rules, 675 IAC 12-6-11.

506.3 Type I exhaust hood construction

506.3.1 *Materials. The hood or that portion of a primary collection means designed for collecting cooking vapors and residues shall be constructed of and be supported by steel not less than forty-three thousandths (0.043) inch (No. 18 Mean Steel Gage) or stainless steel not less than thirty-seven thousandths (0.037) inch (No. 20 Mean Steel Gage) in thickness, or of other approved materials of equivalent strength, fire resistance, and corrosion resistance.* Hoods of copper shall be of copper sheets weighing at least twenty-four (24) ounces per square foot.

506.3.2 Painting or Coating. Surfaces that come into contact with food, and surfaces from which food may drain, drip, or be

subjected to splash, spillage, or other food soiling shall:

- (1) not impart toxic substances, odor, color, or taste to food;
- (2) be smooth and cleanable;
- (3) be corrosion-resistant with a material that is noncracking and nondripping; and
- (4) not be coated with a lead based coating.

506.3.3 Seams, Joints. All seams, joints, and penetrations of the hood enclosure that directs and captures grease-laden vapors and exhaust gases, to its lower outermost perimeter of the entire hood assembly shall have a liquidtight continuous external weld or be sealed by labeled devices. Internal hood joints, seams, filter support frames, and appendages attached inside the hood need not be welded but shall be sealed or otherwise be made greasetight. All materials used to seal interior joints shall be labeled.

506.3.4 Insulation. Insulation materials other than electrical insulation shall be identified as having a flame spread rating of twenty-five (25) or less when tested in accordance with the applicable Indiana Building Code Standards, 675 IAC 13. Adhesives or cements used in the installation of insulating materials shall be identified as complying with the applicable Indiana Building Code Standards, 675 IAC 13, when tested with the specific insulating material.

506.3.5 Hood Size and Location. For canopy type hoods, the inside edge of the hood shall overhang or extend a horizontal distance of not less than six (6) inches beyond the edge of the cooking surface on all exposed sides, and the vertical distance between the lip of the hood and the cooking surface shall not exceed four (4) feet.

Hoods of the noncanopy or backshelf types shall be located a maximum of three (3) feet above the cooking surface. The inside edge of the hood shall overhang or extend a horizontal distance of not less than three (3) inches beyond the edge of the cooking surface on exposed ends. The front edge of the hood shall be set back a maximum of twelve (12) inches from the edge of the cooking surface.

506.3.6 Labeled Hoods. Labeled hood assemblies shall be considered as complying with this chapter and shall be installed in accordance with the conditions of labeling and the manufacturer's instructions.

506.4 Exhaust hood assemblies with integrated supply air plenums

506.4.1 General. The construction and size of the hood shall comply with the requirements of subsection 506.3.

506.4.2 *Supply Fire Dampers. A fire damper shall be installed in the supply air plenum at each point where a supply air duct inlet or a supply air outlet penetrates the continuously welded shell of the assembly. The damper shall be constructed of at least the same gage as the shell. The actuation device of the damper shall have a maximum rating of two hundred eighty-six degrees Fahrenheit (268°F). Supply air plenums that discharge air from their face rather than from the bottom or into the exhaust hood and that are isolated from the exhaust hood by the continuously welded shell extending to the lower outermost perimeter of the entire hood assembly do not require a fire damper.*

506.4.3 Exhaust Fire Dampers. Fire dampers shall not be installed in an exhaust hood assembly.

EXCEPTION: Labeled hood assemblies with exhaust dampers shall be permitted.

506.4.4 Labeled Hood Assemblies. Labeled hood assemblies shall be installed in accordance with the conditions of the labeling and the manufacturer's instructions.

506.5 Grease removal devices in hoods

506.5.1 *Grease Removal Devices. Labeled grease filters, baffles, or other approved grease removal devices for use with commercial cooking equipment shall be provided for Type I hoods. Mesh filters shall not be used.

506.5.2 Installations. The distance between the grease removal device and the cooking surface shall be as great as possible. Where grease removal devices are used in conjunction with charcoal or charcoal-type broilers, including gas or electrically heated charbroilers, a minimum vertical distance of four (4) feet shall be maintained between the lower edge of the grease removal device and the cooking surface.

EXCEPTIONS: 1. Grease removal devices supplied as part of labeled hood assemblies shall be installed in accordance with the terms of the labeling and the manufacturer's instructions.

2. For cooking equipment without exposed flame and where fire gases bypass grease removal devices, the minimum vertical distance may be reduced to not less than six (6) inches.*

506.5.3 Protection. Grease removal devices shall be protected from combustion gas outlets and from direct flame impingement where the distance between the grease removal device and the appliance flue outlet (heat source) is less than eighteen (18) inches. This protection may be accomplished by the installation of a steel or stainless steel baffle plate between the heat source and the grease removal device. The baffle plate shall be so sized and located that flames or combustion gases must travel a distance not less than eighteen (18) inches from the heat source to the grease removal device.

EXCEPTION: See Exceptions No. 1 and No. 2 to subsection 506.5.2.

506.5.4 *Filters. Filters shall be tight-fitting and firmly held in place, and shall be readily accessible and removable for cleaning. Filters shall be installed at an angle not less than forty-five (45) degrees from the horizontal. Filters shall be equipped with a drip tray beneath the lower edge of the filters. The tray shall be kept to the minimum size needed to collect the grease and be pitched to drain to an enclosed metal container having a capacity not exceeding one (1) gallon.*

506.6 Type II exhaust hood construction

506.6.1 Materials. Type II hoods shall be constructed of galvanized steel, stainless steel, copper, twenty-four thousandths (0.024) inch (No. 24 gage) steel, or other approved material.

Hoods constructed of copper shall be of copper sheets weighing at least twenty-four (24) ounces per square foot. Hoods constructed of stainless steel shall have a minimum thickness of thirty-thousandths (0.030) inch.

506.6.2 Fabrication and Installation. Hoods shall be secured in place by noncombustible supports. Joints and seams shall be substantially tight. Solder shall not be used except for sealing a joint or seam.

506.6.3 Painting and Coating. Surfaces that come into contact with food, and surfaces from which food may drain, drip, or be subjected to splash, spillage, or other food soiling shall:

- (1) not impart toxic substances, odor, color, or taste to food;
- (2) be smooth and cleanable;
- (3) be corrosion-resistant with a material that is noncracking and nondripping; and
- (4) not be coated with a lead based coating.

506.7 Air movement

506.7.1 Makeup Air. Each room provided with an exhaust system required by this chapter shall have filtered air supplied to the room approximately equal to the amount of air to be exhausted and shall be adequate to prevent a negative pressure in the commercial cooking areas from exceeding two-hundredths (0.02) inch of water column. Windows and doors shall not be used for the purpose of supplying makeup air.

The makeup air shall not reduce the temperature of the occupied space to less than sixty-five degrees Fahrenheit (65°F) at five (5) feet above the floor throughout the room.

506.7.2 Compensating Hoods. Compensating hoods shall extract at least fifty percent (50%) of the required air flow from the kitchen area.

EXCEPTION: Labeled hoods that are installed in accordance with the conditions of the labeling and the manufacturer's instructions.

506.7.3 Capacity of Canopy Hoods. Canopy-type cooking hoods shall exhaust through the hood a minimum quantity of air determined by application of the formulas in items 1 through 4 below:

- WHERE: A = the horizontal surface area of the hood, in square feet.
 P = that part of the perimeter of the hood that is open, in feet.
 D = distance in feet between the lower lip of the hood and the cooking surface.
 Q = quantity of air, in cubic feet per minute.

When cooking equipment is installed back-to-back and is covered by a common island-type hood, the airflow required may be calculated using the formula for three (3) sides exposed. When all appliances are electric, the airflow required may be reduced to eighty percent (80%) of the formula value. Type II hood airflow requirements shall be in accordance with item 4 below:

1. Type I hoods for use over charcoal and other solid-fuel charbroilers shall be provided with separate exhaust systems. Undefined cooking equipment other than charcoal and solid-fuel charbroilers may be installed under a common hood. The minimum airflow for charcoal, solid-fuel, and grease-burning charbroilers and undefined equipment shall be:

Number of Exposed Sides	Formula
4 (island or central hood)	$Q = 300A$
3 or less	$Q = 200A$
Alternate formula	$Q = 100PD$

2. Type I hoods when the cooking equipment includes appliances such as deep-fat fryers:

Number of Exposed Sides	Formula
4 (island or central hood)	$Q = 150A$

- | | |
|-------------------|-----------|
| 3 or less | Q = 100A |
| Alternate formula | Q = 100PD |
3. Type I hoods where the cooking equipment includes appliances such as rotisseries, grills, and ranges:
- | | |
|----------------------------|----------|
| Number of Exposed Sides | Formula |
| 4 (island or central hood) | Q = 100A |
| 3 or less | Q = 75A |
| Alternate formula | Q = 50PD |

4. Type I hoods where the cooking equipment includes appliances such as ranges, roasters, roasting ovens, pastry ovens, and equipment approved for use under a Type II hood, such as pizza ovens. Solid-fuel ovens shall be provided with separate exhaust systems:

- | | |
|----------------------------|----------|
| Number of Exposed Sides | Formula |
| 4 (island or central hood) | Q = 75A |
| 3 or less | Q = 50A |
| Alternate formula | Q = 50PD |

EXCEPTION: Labeled exhaust hoods are to be installed in accordance with the conditions of labeling and the manufacturer's instructions.

506.7.4 Capacity of Noncanopy Hoods. In addition to all other requirements for hoods specified in this section, the volume of air exhausting through noncanopy-type hoods to the duct system shall be not less than three hundred (300) cubic feet per minute per lineal foot of hood.

EXCEPTION: Labeled exhaust hoods installed in accordance with the conditions of labeling and the manufacturer's instructions.

506.7.5 Exhaust Duct Velocity. The exhaust velocity for duct systems serving Type I hoods shall not be less than one thousand five hundred (1,500) cubic feet per minute.

506.8 Duct systems

506.8.1 Materials. Grease ducts and plenums serving a Type I hood shall be constructed of at least fifty-five thousandths (0.055) inch thick (No. 16 manufacturer's standard gage) steel or stainless steel at least forty-four thousandths (0.044) inch in thickness.

EXCEPTION: Labeled grease ducts installed in accordance with the conditions of labeling and the manufacturer's recommendations.

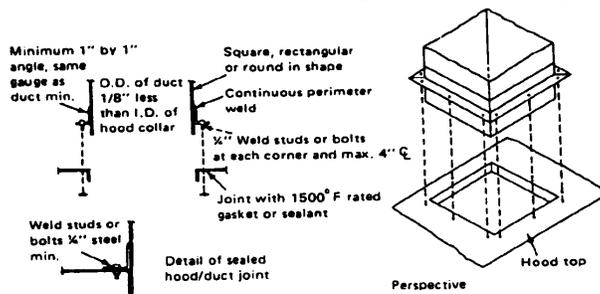
Ducts and plenums serving Type II hoods shall be constructed of rigid metallic materials as set forth in Chapter 6. Duct bracing and supports shall comply with Chapter 6. Ducts subject to positive pressure shall be sealed.

506.8.2 Seams and Joints. Seams and joints shall be made with a continuous liquidtight weld or braze made on the external surface of the duct system.

EXCEPTIONS: 1. Labeled grease ducts installed in accordance with the conditions of the label and manufacturer's recommendations.

2. Penetrations sealed by labeled devices.

3. Duct to hood collar connections as shown below in Figure 506.8 shall be permitted.



*Figure No. 506.8

When a centrifugal fan with bottom horizontal discharge is located outside the building, a duct or duct fitting that diverts the discharge from the grease exhaust duct system in an upward direction may be connected to the fan outlet, provided the following conditions are met:

1. The duct or duct fitting shall be constructed of metal as set forth in Chapter 6 of this code.
2. The maximum total developed length of the duct or duct fitting measured along the center line shall not exceed three (3) times the vertical dimension of the fan outlet.
3. The duct or duct fitting shall be provided with openings at the lowest point to permit drainage of grease to an approved collection device that is provided with ready access.

506.8.3 Construction. Ducts exposed to the outside atmosphere or subject to a corrosive environment shall be protected against corrosion by galvanization of metal parts, protection with noncorrosive paints, waterproof insulation, or other approved methods of protection.

506.8.4 Openings. Openings for installation, servicing, and inspection of labeled fire protection system devices and duct cleaning shall be provided in ducts and enclosures. Shaft enclosure openings required to reach access panels in the ductwork shall be large enough for removal of the access panel.

Openings for installation, servicing, and inspection shall be provided at the sides or at the top of the duct, whichever is more accessible, and at changes of direction.

EXCEPTION: Portions of the duct that are accessible from the duct entry or discharge.

*For labeled hoods with dampers in the exhaust collar, an access panel for cleaning and inspections shall be provided in the duct or the hood collar. This panel shall be as close to the hood as possible but not to exceed eighteen (18) inches.

Exhaust fans with ductwork connected to both sides shall have access for cleaning and inspection within three (3) feet on each side of the fan.

Openings shall conform to the following:

1. On horizontal ducts at least one (1) twenty by twenty (20 × 20) inch opening shall be provided for personnel entry. Where an opening of this size is not possible, openings large enough to permit cleaning to bare metal shall be provided at a maximum of twelve (12) foot intervals.
2. In horizontal sections, the lower edge of the opening shall be not less than one and one-half (1½) inches from the bottom of the duct.
3. On vertical ductwork where personnel entry is possible, access shall be provided at the top of the vertical riser to accommodate descent. Where personnel entry is not possible, access for cleaning shall be provided on each floor.
4. Access panels shall be of the same material and thickness as the duct. Access panels shall have a gasket or sealant that is rated for one thousand five hundred degrees Fahrenheit (1,500°F) and shall be greasetight. Fasteners used to secure the access panels, such as bolts, weld studs, latches, or wing nuts, shall be carbon steel or stainless steel and shall not penetrate duct walls.

EXCEPTION: Labeled grease duct access door assemblies (access panels) shall be installed in accordance with the conditions of labeling and the manufacturer's instructions.

5. Openings for installation, servicing, and inspection of labeled fire protection system devices and duct cleaning shall be provided in ducts and enclosures.

506.8.5 Access. A sign shall be placed on all access panels stating:

ACCESS PANEL—DO NOT OBSTRUCT*

506.8.6 Exhaust Dampers. Exhaust dampers shall not be installed in exhaust duct systems.

EXCEPTION: Exhaust fire dampers shall be permitted if labeled and installed in accordance with the conditions of labeling and the manufacturer's instructions.

506.9 Duct installation

506.9.1 Bracing and Supports. Duct bracing and supports shall be of noncombustible material securely attached to the supporting structure and designed to carry gravity and lateral loads within the stress limitations of the building code. Bolts, screws, rivets, and other mechanical fasteners shall not penetrate duct walls.

506.9.2 Prevention of Grease Accumulation. Duct systems serving a Type I hood shall be so constructed and installed that grease cannot become pocketed in any portion thereof, and the system shall slope not less than one-fourth (¼) inch per lineal foot toward the hood or toward an approved grease reservoir. Where horizontal ducts exceed seventy-five (75) feet in length, the slope shall be not less than one (1) inch per lineal foot. When a centrifugal fan is used, it shall be positioned so the discharge outlet is either vertical or bottom horizontal with the air so diverted that there will be no impingement on the roof,

other equipment, or parts of the structure. A vertical discharge fan shall be manufactured with an approved drain outlet at the bottom of the housing to permit drainage of grease to an approved collection device that is provided with ready access.

506.9.3 Duct Enclosure. A grease duct serving a Type I hood which penetrates required fire-resistive construction shall be enclosed in a duct enclosure from the point of penetration. A duct shall only penetrate exterior walls at locations where unprotected openings are permitted by the building code. Duct enclosures shall be constructed as the building code requires shaft enclosures to be constructed, except that labeled duct enclosure systems conforming to the fire-resistive construction requirements of the building code for shafts shall be allowed. Duct enclosures shall be of at least one-hour fire-resistive construction and shall be of two-hour fire-resistive construction in Types I FR and II FR buildings, as defined in the building code.

EXCEPTION: Single story noncombustible construction where the duct does not penetrate fire-resistive construction. The duct enclosure shall be sealed around the duct at the point of penetration of fire-resistive construction and vented to the exterior through weather-protected openings. The enclosure shall be separated from the duct by at least three (3) inches and not more than twelve (12) inches and shall serve a single grease exhaust duct system, except that labeled duct enclosure systems conforming to the fire-resistive construction requirements of the building code for shafts shall be allowed.

506.9.4 Fire-Resistive Access Opening. When openings are located in ducts within a fire-resistive shaft or a duct enclosure, access openings shall be provided in the shaft or duct enclosure at each opening. These access openings shall be equipped with tight-fitting sliding or hinged self-closing fire rated doors which are equal in fire-resistive protection to that of the shaft or duct enclosure. These access openings required to reach access panels in the ductwork shall be large enough to allow removal of the access panels.

506.9.5 Duct System for Multiple Hoods. A separate grease duct system shall be provided for each Type I hood, except that a single duct system may serve more than one (1) hood of a single business located in the same story of a building, provided that all hoods served by the system shall be located in the same room or adjoining rooms; portions of the interconnecting ducts shall not pass through any construction which would require the opening to be protected as specified in the building code.

506.9.6 Wall Penetration. Ducts shall not pass through area separation walls.

506.9.7 *Interconnection. Duct systems shall not be interconnected with any other building ventilating or exhaust system.

506.9.8 Termination of Exhaust Systems. The exhaust system shall terminate as follows:

1. Outside the building with a fan or duct; or
2. Through the roof or through a wall.

506.9.8.1 Rooftop terminations shall be as follows:

1. With a minimum of ten (10) feet of clearance from the outlet to adjacent buildings, property lines, and air intakes. Where space limitations absolutely prevent a ten (10) foot horizontal separation from an air intake, a vertical separation will be acceptable with the exhaust outlet being a minimum of three (3) feet above any air intake located within ten (10) feet horizontally.
2. With the exhaust flow directed up and away from the surface of the roof and a minimum of forty (40) inches above the roof surface.
3. With the ability to drain grease out of any traps or low points formed in the fan or duct near the termination of the system to a rainproof collection container or to a remote grease trap.
4. With a labeled grease duct; or
5. With a hinged up-discharge fan supplied with flexible weatherproof electrical cable and service hold-open retainer to permit proper inspection and cleaning and that is labeled for commercial cooking equipment, provided the ductwork extends a minimum of eighteen (18) inches above the roof surface, and the fan discharges a minimum of forty (40) inches above the roof surface.
6. With another approved fan, provided it conforms to subsections 506.9.8.1 item 2 and 506.9.8.1 item 3.
7. If exterior fans are located outside the roofline, they shall be provided with safe access and work surface for inspection and cleaning.

506.9.8.2 Wall Terminations. Wall terminations shall be as follows:

1. Through a noncombustible wall with a minimum of ten (10) foot of clearance from the outlet to adjacent buildings, property lines, grade level, combustible construction, electrical equipment or lines, and the closest point of any air intake at or below the plane of the exhaust termination. The closest point of any air intake above the plane of the exhaust termination shall be a minimum of ten (10) feet distant, plus twenty-five hundredths (0.25) foot per each one (1) degree from horizontal, the angle of degree being measured from the center of the exhaust termination to the center of the air

intake.

2. With the exhaust flow directed perpendicularly outward from the wall face or upward.
3. With all the ductwork pitched to drain the grease back to the hood(s), or with a drain provided to bring the grease back to a container within the building or to a remote grease trap.
4. With a labeled grease duct.*

506.10 Exhaust fans

506.10.1 *Exhaust Fans for Commercial Cooking Equipment. Approved up-discharge fans with motors surrounded by the air stream shall be hinged, supplied with flexible weatherproof electrical cable and service hold-open retainers, and labeled for this use. Other exhaust fans for this use shall be approved for continuous operation. Both shall be installed to comply with the following requirements:

1. All wiring and electrical equipment shall comply with the Indiana Electrical Code, 675 IAC 17.
2. Means shall be provided for inspections, servicing, and cleaning.*
3. Fans manufactured from steel shall be nonsparking.

506.10.2 *Airflow. The air velocity through any duct shall be not less than one thousand five hundred (1,500) feet per minute. Exhaust air volumes for hoods shall be of sufficient level to provide for capture and removal of grease-laden cooking vapors. Test data or performance acceptable to the code official, or both, shall be provided, displayed, or both, upon request by the code official.

EXCEPTION: Lower exhaust air volumes shall be permitted during no-loading cooking conditions provided they are sufficient to capture and remove flue gases and residual vapors from cooking equipment.

506.10.3 Hood Fans. Hood exhaust fan(s) shall continue to operate after the extinguishing system has been activated unless fan shutdown is required by a labeled component of the ventilation system or by the design of the extinguishing system. It is not required to restart the hood exhaust fan when the extinguishing system is activated if the exhaust fan and all cooking equipment served by the fan had previously been shut down.*

506.11 Electrical equipment

506.11.1. Motors, lights, and other electrical devices shall not be installed in hoods or located in the path of travel of exhaust products.

EXCEPTION: Where specifically labeled for such use and installed in accordance with the conditions of labeling.

Wiring or wiring systems shall not be installed in ducts. All electrical equipment shall be installed in accordance with the Indiana Electrical Code, 675 IAC 17.

506.12 Auxiliary equipment

506.12.1 *Fume incinerators, thermal recovery units, air pollution control devices, or other devices shall be permitted to be installed in ducts or hoods or located in the path of travel of exhaust products when specifically approved under the General Administrative Rules, 675 IAC 12-6-11. The equipment shall not increase the fire hazard.*

506.13 Clearance to combustibles

506.13.1 *Hoods and ducts shall have a clearance of at least eighteen (18) inches to combustible material, three (3) inches to limited-combustible material, and zero (0) inches to noncombustible material. When these clearances cannot be maintained, one (1) of the following methods shall be used:

1. When the labeled hood, duct, or duct enclosure system is installed in accordance with the provisions of its labeling and the manufacturer's instructions for reduced clearance.
2. Duct enclosures in accordance with subsection 506.9.3.
3. Combustible material protected as follows:

Type of Protection	Clearance to Combustible Material
0.013-in. (28 gage) sheet metal spaced out 1 in. on noncombustible spacers.	9 in.
0.027-in. (22 gage) sheet metal on 1 in. mineral wool bats reinforced with wire mesh or equivalent spaced out 1 in. on noncombustible spacers.*	3 in.

506.14 Performance test

506.14.1 Upon completion and before final approval of the installation of a ventilation system serving commercial food heat-processing equipment, an air balance to verify the rate of exhaust and supply airflow shall be performed and documented.

506.15 Fire-extinguishing equipment

506.15.1 Approved fire-extinguishing equipment shall be provided for the protection of all Type I hoods. Portable fire

extinguishers shall be provided in the kitchen for the protection of the cooking equipment.

506.15.2 Approved fire-extinguishing equipment shall be provided to protect cooking appliances such as deep fat fryers, griddles, upright broilers, charbroilers, grease-burning charbroilers, range tops, and grills. Protection shall also be provided for the enclosed plenum space within the hood above the filters and in the exhaust ducts serving the hood.

506.16 Types of fire-extinguishing equipment

506.16.1 *Types. Fire-extinguishing equipment shall include both fixed automatic fire-extinguishing systems and portable fire extinguishers.*

506.16.2 System. The system used for protection of commercial cooking equipment shall be either a system labeled for application with such equipment or an automatic fixed pipe system that is specifically designed for such application. Labeled systems shall be installed in accordance with the conditions of their labeling and the manufacturer's instructions. Other automatic fixed pipe systems shall be of an approved design and shall be one (1) of the following types:

1. Automatic sprinkler system shall be designed and installed in accordance with National Fire Protection Association Standard 13 (675 IAC 13-1-8).
2. Water spray system shall be designed and installed in accordance with National Fire Protection Association Standard 13 and 15 (675 IAC 13-1-8 and 675 IAC 22-1-13 [675 IAC 22-1-13 was repealed filed Aug 28, 1998, 5:02 p.m.: 22 IR 124.]).
3. Carbon dioxide, dry chemical, wet chemical extinguishing systems shall be designed and installed in accordance with National Fire Protection Association Standard 12, 17, 17A, and 2001 (675 IAC 13-1-5, 675 IAC 13-1-9.5, 675 IAC 13-1-9.6, and 675 IAC 13-1-28).

506.16.3 Dry Chemical Type. Alkaline dry chemical-type portable fire extinguishers shall be installed in the kitchen area for the protection of the cooking equipment. Extinguishers shall have a minimum rating of forty (40) B (sodium bicarbonate or potassium bicarbonate base) and shall be conspicuously located and readily accessible along exit paths from the area. The extinguishers shall be a minimum of ten (10) feet and maximum of twenty (20) feet from the cooking equipment. The top of the extinguishers shall be a maximum of five (5) feet above the floor and shall be protected from physical damage.

506.17 Design requirement for the fire extinguisher equipment

506.17.1 Chemical Systems. The chemical used in a system shall not be substituted for the required chemical unless the substitute is labeled for that particular system, and is recommended by the manufacturer of the equipment, and is approved. Systems shall be designed on the basis of the flow and extinguishing characteristics of a specific formulation of chemical. Chemical solutions of different formulations or manufacturer shall not be mixed. A nameplate shall be permanently affixed to the control panel identifying the agent or agents labeled for use in the system.

506.17.2 Installation Instructions. The manufacturer's installation and maintenance manual shall be used to identify the system limitations and the applications for which chemical extinguishing systems shall be considered acceptable. Only labeled system components referenced or permitted in the manufacturer's installation and maintenance manual shall be installed as part of the system.

506.17.3 Container Location. Chemical containers and expellant gas assemblies shall be located within the minimum and maximum temperature range indicated in the manufacturer's installation and maintenance manual. Chemical containers and expellant gas assemblies shall not be located where they would be subjected to mechanical, chemical, or other damage.

Chemical containers and expellant gas assemblies shall be located where they are readily accessible for inspection. The top of chemical and expellant gas assemblies shall not be located more than eight (8) feet above the floor.

506.17.4 Material. Wherever "pipe" is used in this chapter, it shall be understood to also mean "tube". Pipe and fittings shall be of noncombustible material having physical and chemical characteristics compatible with the chemical solution. Pipe fittings shall be compatible with the piping materials and connection method.

506.17.5 Penetrations. Where pipe penetrates a duct or hood, the penetration shall have a liquidtight continuous external weld or shall be sealed by a labeled device.

506.17.6 Installation. Pipe and fittings shall be installed in accordance with the manufacturer's installation and maintenance manual. Pipe shall be reamed and cleaned before assembly. Pipe-thread compound or tape shall not be used in agent distribution pipe and fitting connections.

EXCEPTION: Pipe-thread tape shall be permitted when installed in accordance with the manufacturer's installation and maintenance manual.

506.17.7 Supports. The piping system shall be rigidly supported to prevent movement and shall be protected from mechanical or other damage.

506.17.8 Nozzles. Discharge nozzles shall be labeled for the purpose. All discharge nozzles shall be provided with caps or other suitable devices to prevent the entrance of grease, vapors, moisture, or other foreign materials into the piping. Nozzles shall be selected in accordance with the manufacturer's installation and maintenance manual.

506.18 Shutdown devices and signals

506.18.1 Operation. The operation of fire-extinguishing equipment other than wet chemical and water fire-extinguishing equipment shall automatically shut off all sources of fuel or power to all equipment requiring protection by that fire-extinguishing equipment. Any gas appliance not requiring protection but located under the same exhaust system shall also be shut off. All shutdown devices shall be considered integral parts of the fire-extinguishing equipment and shall function with the operation of the fire-extinguishing equipment. This equipment shall be of the type that requires manual resetting prior to fuel or power restoration. All reset devices shall have ready access.

Wet chemical and water fire-extinguishing equipment shall be provided with an automatic means to ensure the shutdown of fuel or power to the protected appliances and other appliances located under the exhaust system protected by the fire-extinguishing equipment upon the system activation.

506.18.2 Exhaust Fans. Exhaust fans shall continue to operate after the fire-extinguishing system has been activated. Supply air fans serving exhaust hood assemblies with integrated supply air plenums shall be shut off when the fire-extinguishing equipment is activated.

506.18.3 Alarms. The operation of any fire-extinguishing equipment applicable to this code shall be connected to any type of fire alarm system serving the building, when such alarm system is present. Power to operate the fire-extinguishing equipment shall be monitored by a supervisory alarm.

506.19 Manual activation of fire-extinguishing equipment

506.19.1 Fixed pipe automatic fire-extinguishing equipment shall be installed to conform with the following requirements:

1. An accessible manual activation device installed at an approved location not more than five (5) feet above the floor shall be provided for wet chemical, dry chemical, carbon dioxide, or other approved equipment. The activation device shall be either mechanical or electrically operated. If electrical power is used, the equipment shall be connected to standby power and a visual means shall be provided to show that the extinguishing equipment is energized.

EXCEPTION: An automatic sprinkler or water spray system shall not require manual activation.

2. Instructions for manually operating the fire-extinguishing equipment shall be posted at a location immediately adjacent to the manual activation device within the kitchen.

3. Automatic sprinkler or water spray systems shall be controlled by a separate readily accessible indicating-type control valve that is identified.

506.20 Installation approval of fire-extinguishing equipment

506.20.1 The installer of the fire-extinguishing equipment shall document to the owner that the completed system has been installed in accordance with approved plans, including any conditions of approval, and the manufacturer's installation and maintenance manual. This documentation shall include testing in accordance with the manufacturer's installation and maintenance manual. This documentation shall include complete details of the tests performed. This documentation shall include a set of as-built drawings showing the equipment layout and the equipment type. It shall identify the cooking equipment protected and its location under the hood. This documentation shall be permanently maintained on-site. If this documentation is not maintained on-site, then a new test of the system shall be required. The tests performed by the installer shall include operation of mechanical and/or electrical actuation devices. Where distribution piping for fire-extinguishing equipment other than sprinkler or water spray type which cannot be visually inspected shall be air pressure tested to a pressure of not less than twenty (20) psi.

Sprinkler or water spray piping shall be hydrostatically tested where sprinkler or water spray piping is required.

After the test, the system shall be charged and placed in the normal operating condition in accordance with the manufacturer's installation and maintenance manual.

506.21 Maintenance of exhaust hood systems and fire-extinguishing equipment

506.21.1. Maintenance shall be in accordance with the Indiana Fire Prevention Code, 675 IAC 22.

506.22 Copyright

506.22.1. Portions of this rule are reprinted from NFPA 96-1991, Vapor Removal from Commercial Cooking Equipment, Copyright 1991, National Fire Protection Association, Quincy, Massachusetts 02269. Those portions are found at the following sections of this rule:

506.1

506.3
506.4
506.5
506.8
506.9
506.10
506.11
506.12
506.13
506.16

Asterisks in the text indicate the beginning and ending of each portion of NFPA 96-1991 which is incorporated verbatim. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-44; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1739*)

675 IAC 18-1.3-45 Subsection 510.1; general

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 45. Change the first sentence of subsection 510.1 to read as follows: This section shall govern the design and construction of duct systems for hazardous exhaust. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-45; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1749*)

675 IAC 18-1.3-46 Subsection 510.2; where required

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 46. Delete subsection 510.2 and substitute to read as follows: See the building code for required hazardous exhaust systems. Where there is a conflict between this code and other rules of the fire prevention and building safety commission, this code shall govern. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-46; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1749*)

675 IAC 18-1.3-47 Subsections 510.6, 510.6.1, 510.6.2, 510.6.3, and 510.6.4; penetration, floors, wall assemblies, fire walls, and fire dampers

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 47. Delete subsections 510.6, 510.6.1, 510.6.2, 510.6.3, and 510.6.4 and substitute to read as follows: See the building code. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-47; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1749*)

675 IAC 18-1.3-48 Subsection 511.1; dust, stock, and refuse conveyor systems

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 48. Change subsection 511.1 to read as follows: Dust, stock, and refuse conveyor systems shall comply with the provisions of sections 510 and 511.1 through 511.5.2, and the building code as applicable. Where there is a conflict between this code and other rules of the fire prevention and building safety commission, this code shall govern. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-48; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1749*)

675 IAC 18-1.3-49 Table 511.2; construction, clearance, and termination requirements for single-wall metal chimneys

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 49. Change footnote (c) to Table 511.2 to read as follows: (c) Clearance shall be approved and shall provide clearance

from buildings and structures to avoid overheating combustible materials (maximum one hundred sixty degrees Fahrenheit (160°F)). (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-49; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1749*)

675 IAC 18-1.3-50 Subsection 601.2; air movement in egress elements

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 50. Change subsection 601.2 to read as follows: (a) Change the first sentence to read as follows: Corridors serving as a portion of an exit access in the means of egress system shall not serve as supply, return, exhaust, relief, or ventilation air ducts or plenums.

(b) Change EXCEPTION 1 to read as follows: 1. Utilization of a corridor serving as a portion of an exit access in the means of egress system as a source of makeup air for exhaust systems in rooms that open directly onto such corridors, such as toilet rooms, bathrooms, dressing rooms, smoking lounges, and janitor closets, shall not be prohibited, provided that each such corridor is directly supplied with outdoor air at a rate not less than the rate of makeup air taken from the corridor.

(c) Change EXCEPTION 4 to read as follows: 4. Where located within tenant spaces of one thousand (1,000) square feet (ninety-three (93) m²) or less in area, utilization of a corridor serving as a portion of an exit access in the means of egress system as return air plenums shall not be prohibited. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-50; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1749*)

675 IAC 18-1.3-51 Subsection 602.1; general

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 51. Change the third sentence of subsection 602.1 to read as follows: Plenums shall be limited to the floor area enclosed or bounded by area separation walls, occupancy separations, or the exterior walls of the building. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-51; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1749*)

675 IAC 18-1.3-52 Subsection 602.2.1; materials exposed within plenums

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 52. Delete, in subsection 602.2.1, EXCEPTION 6. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-52; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1750*)

675 IAC 18-1.3-53 Subsection 602.4; flood hazard

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 53. Delete subsection 602.4 and substitute to read as follows: Flood hazards are specified in and regulated by local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-53; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1750*)

675 IAC 18-1.3-54 Subsection 603.12.3; flood hazard

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 54. Delete subsection 603.12.3 and substitute to read as follows: Flood hazards are specified in and regulated by local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-54; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1750*)

675 IAC 18-1.3-55 Subsection 701.4.1; crawl space

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 55. Change the second sentence of subsection 701.4.1 to read as follows: The crawl space shall be without obstruction to the free flow of air. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-55; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1750*)

675 IAC 18-1.3-56 Subsection 801.1; scope

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 56. Change subsection 801.1 to read as follows: This chapter shall govern the installation and approval of vents and connectors.

Masonry chimneys, factory-built chimneys and fireplaces, chimney liners, masonry and concrete fireplaces and barbecues, and their connectors carrying products of combustion are regulated by the building code. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-56; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1750*)

675 IAC 18-1.3-57 Subsection 801.3; masonry chimneys

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 57. Delete subsection 801.3 and substitute to read as follows: See the building code. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-57; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1750*)

675 IAC 18-1.3-58 Subsection 801.14; cleanouts

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 58. Delete subsection 801.14 and substitute to read as follows: See the building code for cleanouts. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-58; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1750*)

675 IAC 18-1.3-59 Subsections 801.16, 801.17, 801.17.1, 801.17.2, 801.18, and 801.19; gas-fired appliances, fuel lining, residential and low-heat appliances (general), Category I gas appliances, space around lining, and existing chimneys and vents

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 59. Delete subsections 801.16, 801.17, 801.17.1, 801.17.2, 801.18, and 801.19 and substitute to read as follows: See the building code. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-59; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1750*)

675 IAC 18-1.3-60 Table 804.10.6; connectors clearances to combustibles

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 60. Change in Table 804.10.6, in the "MINIMUM CLEARANCE (inches)" column, "as determined by the code official" to read "as approved by the code official". (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-60; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1750*)

675 IAC 18-1.3-61 Section 806; factory-built chimneys

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 61. Delete section 806 and substitute to read as follows: See the building code. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-61; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1750*)

675 IAC 18-1.3-62 Subsection 901.1; scope

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 62. Change subsection 901.1 to read as follows: This chapter shall govern the approval, design, installation, construction, and alteration of the appliances and equipment specifically identified herein. Fireplaces are regulated by the building code. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-62; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1750)*

675 IAC 18-1.3-63 Subsection 901.4; fireplace accessories

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 63. Delete subsection 901.4. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-63; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1751)*

675 IAC 18-1.3-64 Section 903; factory-built fireplaces

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 64. Delete section 903 and substitute to read as follows: See the building code. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-64; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1751)*

675 IAC 18-1.3-65 Subsection 911.6; drainage

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 65. Delete the second sentence of subsection 911.6. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-65; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1751)*

675 IAC 18-1.3-66 Subsection 917.1; general

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 66. Change subsection 917.1 to read as follows: Clothes dryers shall be installed in accordance with the manufacturer's installation instructions. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-66; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1751)*

675 IAC 18-1.3-67 Section 918; illuminating appliance

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 67. Delete section 918. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-67; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1751)*

675 IAC 18-1.3-68 Section 919; sauna heaters

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 68. Delete section 919 and substitute to read as follows:

919.1 Combustion and dilution air intakes. Sauna heaters of other than the direct-vent-type shall be installed with the draft hood and combustion air intake located outside the sauna room. Where the combustion air inlet and the draft hood are in a

dressings room adjacent to the sauna room, there shall be provisions to prevent physically blocking the combustion air inlet and the draft hood and vent assembly, or warning notices shall be posted to avoid such contact. Any warning notice shall be easily readable, shall contrast with its background, and the wording shall be in letters not less than one-fourth (1/4) inch (six and four-tenths (6.4) mm) high.

919.2 Combustion and ventilation air. Combustion air shall not be taken from inside the sauna room. Adequate combustion and ventilation air for a sauna heater not of the direct-vent-type shall be provided to the area in which the combustion air inlet and draft hood are located in accordance with Chapter 7.

(Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-68; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1751)

675 IAC 18-1.3-69 Section 922; cooking appliances

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 69. Delete section 922. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-69; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1751)*

675 IAC 18-1.3-70 Subsection 1001.1; scope

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 70. Change subsection 1001.1 to read as follows: This chapter shall govern the installation and alteration of boilers, water heaters, and pressure vessels.

EXCEPTIONS: 1. Pressure vessels used for unheated water supply.

2. Portable unfired pressure vessels and Interstate Commerce Commission containers.

3. Containers for liquefied petroleum gases, bulk-oxygen, and medical gas.

4. Unfired pressure vessels having a volume of five (5) cubic feet (fourteen one-hundredths (0.14) m³) or less operating at pressures not exceeding two hundred fifty (250) psi (one thousand seven hundred twenty-four (1,724) kPa) and located within occupancies of Use Groups B, F, H, M, R, S, and U as defined by the building code.

5. Pressure vessels used in refrigeration systems that are regulated by Chapter 11 of this code.

6. Pressure tanks used in conjunction with coaxial cables, telephone cables, power cables, and other similar humidity control systems.

7. Any boiler, water heater, or pressure vessel subject to regulation by the Indiana Boiler and Pressure Vessel Rules Board, 680 IAC.

(Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-70; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1751)

675 IAC 18-1.3-71 Subsection 1003.3; welding

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 71. Delete subsection 1003.3. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-71; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1752)*

675 IAC 18-1.3-72 Subsection 1004.4; mounting

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 72. Delete the last sentence of subsection 1004.4. *(Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-72; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1752)*

675 IAC 18-1.3-73 Subsection 1005.2; potable water supply

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 73. Add a sentence to the end of subsection 1005.2 to read as follows: A check valve shall be installed in the boiler feedwater piping at or near the boiler proper. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-73; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1752*)

675 IAC 18-1.3-74 Section 1011; tests

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 74. Delete the text of section 1011 and substitute to read as follows: Upon completion of the assembly and installation of boilers and pressure vessels, tests shall be conducted in accordance with the requirements of the manufacturer. Manufacturer's Data Reports required by the ASME Boiler and Pressure Vessel Code shall be submitted to the code official. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-74; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1752*)

675 IAC 18-1.3-75 Subsection 1101.1; scope

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 75. Change subsection 1101.1 to read as follows: This chapter shall govern the design, installation, and construction of refrigeration systems that vaporize and liquefy a fluid during the refrigerating cycle. Refrigerant piping design and installation, including pressure vessels and pressure relief devices, shall conform to this code. Permanently installed refrigerant storage systems and other components shall be considered as part of the refrigeration system to which they are attached.

EXCEPTION: Pressure vessels and pressure relief devices that are regulated under the rules of the Boiler and Pressure Vessel Rules Board, 680 IAC.

(*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-75; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1752*)

675 IAC 18-1.3-76 Subsection 1102.2.1; new refrigerants

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 76. Change, in subsection 1102.2.1, "approved" to read "allowed". (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-76; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1752*)

675 IAC 18-1.3-77 Subsection 1104.2.1; occupancy classification

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 77. Change item 5 of subsection 1104.2.1 by adding a sentence to the end of item 5 to read as follows: The occupant load shall be determined as prescribed by the building code. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-77; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1752*)

675 IAC 18-1.3-78 Subsection 1105.1; general

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 78. Delete the last sentence of subsection 1105.1. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-78; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1752*)

675 IAC 18-1.3-79 Subsection 1105.6; tests

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 79. Delete subsection 1105.6 and substitute to read as follows: May be regulated by local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-79; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1752*)

675 IAC 18-1.3-80 Subsection 1105.8; sign

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 80. Delete subsection 1105.8. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-80; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1752*)

675 IAC 18-1.3-81 Subsection 1301.1; scope

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 81. Change subsection 1301.1 to read as follows: This chapter shall govern the installation and modification of fuel-gas piping systems. The applicability of this code to piping systems extends from the point of entry to the Class 1 structure and to the connections with each utilization device within the Class 1 structure and includes the design, materials, components, fabrication, assembly, installation, and testing of such piping systems. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-81; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1752*)

675 IAC 18-1.3-82 Subsections 1301.1.1, 1301.6; point of delivery, interconnections

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 82. Delete subsections 1301.1.1 and 1301.6. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-82; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1753*)

675 IAC 18-1.3-83 Subsection 1303.21; corrosion protection

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 83. Change the last sentence of subsection 1303.21 to read as follows: Ferrous metals exposed in exterior locations shall be protected from corrosion in an approved manner. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-83; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1753*)

675 IAC 18-1.3-84 Subsection 1303.21.1; protective coatings and wrapping

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 84. Change the first sentence of subsection 1303.21.1 to read as follows: Gas pipe protective coatings shall be of approved types and machine applied. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-84; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1753*)

675 IAC 18-1.3-85 Subsection 1304.7; piping in solid floors

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 85. Change the first sentence of subsection 1304.7 to read as follows: Piping shall not be installed in solid floor slabs, such as concrete or masonry, except where approved by the code official or as stated in subsection 1304.7. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-85; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1753*)

675 IAC 18-1.3-86 Subsection 1304.11.1; individual outside appliances

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 86. Delete subsection 1304.11.1. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-86; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1753*)

675 IAC 18-1.3-87 Subsection 1405.2.1; flood hazard

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 87. Delete subsection 1405.2.1 and substitute to read as follows: Flood hazards are specified in and regulated by local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-87; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1753*)

675 IAC 18-1.3-88 Chapter 16; referenced standards

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 88. Change Chapter 14 to read as follows: (a) Delete from Chapter 14 the following standards:

ANSI Z21.1-93

ANSI Z21.5.1-92

ANSI Z21.5.2-87

ANSI Z21.56-91

ANSI Z21.58-93

ANSI Z83.11-94

ANSI Z83.12-94

ANSI Z83.13-94

ANSI Z83.14-94

ANSI Z83.15-94

ASTM E814-94b

BUILDING CODE

FIRE PREVENTION CODE

MECHANICAL CODE-95/CABO MODEL ENERGY CODE

INTERNATIONAL PLUMBING CODE-95/ICC INTERNATIONAL PLUMBING CODE

NFPA 12-93

NFPA 13-94

NFPA 16-95

NFPA 17-94

NFPA 17A-94

NFPA 33-95

NFPA 34-95

NFPA 37-94

NFPA 58-95

NFPA 70-95

NFPA 72-93

NFPA 82-94

NFPA 704-90

UL 300-92
UL 599-85
UL 710-90
UL 726-90
UL 834-95
UL 1026-86
UL 1240-94
UL 1556-90
UL 1777-88

(b) Delete, in Chapter 16, in the “referenced in code section number” column, the following code subsections: Subsections 801.17.1, 806.2, 903.1, 914.1, 921.1, 1011.1. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-88; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1753*)

675 IAC 18-1.3-89 Appendix A

Authority: IC 22-13-2-2
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 89. Delete Appendix A. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-89; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1754*)

675 IAC 18-1.3-90 Appendix B

Authority: IC 22-13-2-2
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 90. Delete Appendix B. (*Fire Prevention and Building Safety Commission; 675 IAC 18-1.3-90; filed Dec 24, 1997, 11:00 a.m.: 21 IR 1754*)

ARTICLE 19. ENERGY CONSERVATION CODES

Rule 1. Indiana Energy Conservation Code (Repealed)

(*Repealed by Fire Prevention and Building Safety Commission; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1143*)

Rule 2. Modifications to the Model Energy Code (Repealed)

(*Repealed by Fire Prevention and Building Safety Commission; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1143*)

Rule 3. Indiana Energy Conservation Code, 1992 Edition

675 IAC 19-3-1 Adoption by reference

Authority: IC 22-13-2-2; IC 22-13-4-1
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 1. That certain document, being titled the Model Energy Code, 1992 edition, published by the Council of American Building Officials, 5203 Leesburg Pike, Falls Church, Virginia 22041, is hereby adopted by reference as if fully set out in this rule save and except those revisions made in this rule. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-1; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1126; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 19-3-2 Section 101.1; title; availability

Authority: IC 22-13-2-2; IC 22-13-4-1
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 2. (a) Delete section 101.1 and substitute the following: This rule shall be known as the Indiana Energy Conservation

Code, 1992 Edition and shall be published, except incorporated documents, by the Fire and Building Services Department for general distribution and use under that title. Wherever the term “this code” is used throughout this rule, it shall mean the Indiana Energy Conservation Code, 1992 Edition.

(b) This rule and incorporated documents therein are available from the Fire and Building Services Department, Indiana Government Center-South, 402 West Washington Street, Room E243, Indianapolis, Indiana 46204. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-2; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1126; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 19-3-3 Section 101.2; intent

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 3. Delete the last sentence in section 101.2. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-3; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1126; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 19-3-4 Section 101.3; scope

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 4. Change the last sentence in section 101.3 to read as follows: Buildings shall be designed to comply with the requirements of one of the following: Chapter 4, Chapter 5, or Chapter 6. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-4; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1126; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 19-3-5 Section 101.3.2.2; historic buildings

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 5. Delete section 101.3.2.2. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-5; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1127; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 19-3-6 Section 101.3.2.3; change of occupancy

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 6. Delete section 101.3.2.3. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-6; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1127; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 19-3-7 Section 102.2; maintenance information

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 7. Delete section 102.2. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-7; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1127; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 19-3-8 Section 103; alternate materials - methods of construction, design, or insulating systems

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13-2-11; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 8. Delete section 103 and substitute the following:

103.1 General: The provisions of this code are not intended to limit the appropriate use of materials, appliances, equipment or methods of design or construction not specifically prescribed by this code.

103.2 Class 1 Buildings or Structures: For Class 1 buildings or structures, alternate materials, methods of construction, design

or insulating systems shall be as required by 675 IAC 12-6-11, the General Administrative Rules.

103.3 Class 2 Buildings or Structures: Proposed alternate materials, appliances, equipment or methods of design or construction shall be at least equivalent of that prescribed in this code in suitability, quality, strength, effectiveness, fire resistance, durability, dimensional stability, safety and sanitation.

The building official may require that evidence or proof be submitted to substantiate any claims that may be made regarding the proposed alternate.

103.4 Tests: Determination of equivalence shall be based on design or test methods or other such standards approved by such building official. The building official may accept as supporting data, to assist in this determination, duly authenticated reports from the Building Officials and Code Administrators International, Inc., Southern Building Code Congress International, Inc., International Conference of Building Officials, the National Evaluation Service Committee of the Council of American Building Officials, acceptance documents from the U. S. Department of Housing and Urban Development or from those specified in 675 IAC 12-6-11, the General Administrative Rules.

103.5 Variances: This section shall not authorize a variance from or modification of any rule of the commission except pursuant to the commission's variance authority provided for in IC 22-13-2-11.

(Fire Prevention and Building Safety Commission; 675 IAC 19-3-8; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1127; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 19-3-9 Section 104; plans and specifications

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 9. Delete section 104. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-9; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1127; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-10 Section 105; inspections

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 10. Delete section 105 and substitute the following: Any permit required by the local unit of government shall be obtained before beginning construction or alterations, using application forms furnished by the building official. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-10; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1127; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-11 Section 106; validity

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 11. Delete section 106. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-11; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1127; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-12 Section 201; general definitions

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 12. (a) Change the following definitions in section 201.1 to read as follows:

Building official means: (1) For Class 1 buildings or structures the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the Fire Prevention and Building Safety Commission; or

(2) For Class 2 buildings or structures it shall be an officer of a local unit of government as designated by local ordinance; or
(3) For Class 1 and 2 buildings or structures that are industrialized building systems under 675 IAC 15, Industrialized Building Systems, it shall be the state building commissioner.

Comfort envelope means the area on a psychrometric chart enclosing all of the conditions as identified in Figure No. 1 in

Standard RS-4 listed in Chapter 7, as being comfortable.

Conditioned space means space within a building which is provided with heated and/or cooled air or surfaces and where required, with humidification or dehumidification means so as to be capable of maintaining a space condition falling within the comfort zone as identified in Standard RS-4 listed in Chapter 7.

Shading coefficient (SC):

$$SC = \frac{\text{Solar Heat Gain of Fenestration}}{\text{Solar Heat Gain of 1/8'' clear glass}}$$

means the ratio of solar heat gain through fenestration, with or without integral shading devices, to that occurring through unshaded one-eighth (1/8) inch thick clear glass.

Note 1. For comparison under the same conditions. See Chapter 26 of Standard RS-1.

Note 2. Fenestration means windows, skylights and glazing in doors for one and two family detached dwellings.

(b) Add the following definitions in section 201.1 to read:

Annual Fuel Utilization Efficiency (AFUE): Means the total heating output of a furnace during its normal annual usage period, as measured using the United States Department of Energy test procedures divided by the total fuel input to the furnace in BTU's during the same period.

Approved: Means approval by the building official as the result of investigation and tests conducted by him, or by reason of accepted principles or tests by nationally recognized organizations.

Gross volume: Means the sum of the volumes of the several areas of the building, including basements, cellars, mezzanine and intermediate floored tiers, penthouses of headroom height, and attics measured from the outside faces of exterior walls or from the centerline of walls separating buildings, and from the lowest floor level to the roof peak. Covered walkways, open roofed-over areas, and open porches shall be excluded. The gross floor area does not include such features as pipe trenches, exterior terraces, steps, chimneys, etc.

Heat loss or gain: Means transfer of heat from or into a building expressed in BTU's per hour.

Heat pump: See the definition of unitary heat pump.

Heating Season Performance Factor (HSPF): Means the total heating output of a heat pump in BTU's during its normal annual usage period for heating divided by the total electric power in watt/hours during the same period.

R-value: Means resistance to heat flow (R=1/U). See the definition of thermal resistance.

Seasonal Energy Efficiency Ratio (SEER): Means the total cooling output of an air conditioner in BTU's during its normal annual usage period for cooling divided by the total electric power in watt/hours during the same period.

U-value: See the definition of thermal transmittance (U=1/R).

(Fire Prevention and Building Safety Commission; 675 IAC 19-3-12; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1127; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 19-3-13 Section 302.1; exterior design conditions

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 13. Change section 302.1 to read as follows: The outdoor design temperature may be selected from the columns of ninety-seven and one-half percent (97.5%) values for winter and two and one-half percent (2.5%) values for summer from the 1989 ASHRAE Handbook of Fundamentals for the specific locality listed therein, or selected from this generalized table. (See Figure No. 3-1)

	northern	central	southern
WINTER Design Dry-Bulb °F	1°	2°	9°
SUMMER Design Wet-Bulb °F	73°	74°	75°
SUMMER Design Dry-Bulb °F	89°	90°	93°
DEGREE DAYS HEATING	6300	5700	5000

(Fire Prevention and Building Safety Commission; 675 IAC 19-3-13; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1128; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 19-3-14 Figure No. 3-1; design zones

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 14. Add Figure No. 3-1 to read as follows:

FIGURE NO. 3-1



(Fire Prevention and Building Safety Commission; 675 IAC 19-3-14; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1129; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 19-3-15 Section 302.2.1; indoor design temperature

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 15. Change the exception in section 302.2.1 to read as follows:

Exception: Other design temperatures may be used providing that other building components are improved beyond the requirements of this code so that the energy consumption is less than or equal to the energy consumption which would result from conformance to the requirements of this section.

(Fire Prevention and Building Safety Commission; 675 IAC 19-3-15; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1129; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 19-3-16 Section 302.2.2; humidification

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 16. (a) Change the last sentence in section 302.2.2 to read as follows: When comfort air conditioning is provided, the

actual design relative humidity within the comfort envelope as defined in Standard RS-4 listed in Chapter 7 may be selected for minimum total HVAC system energy use.

(b) Add a second paragraph in section 302.2.2 to read as follows: Other special humidification designs may be used under section 103 of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-16; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1129; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 19-3-17 Section 303.1; mechanical ventilation criteria

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 17. Delete section 303.1 and substitute the following: The specific ventilation values of 675 IAC 13, the Indiana Building Code, and 675 IAC 14, the Indiana One and Two Family Dwelling Code, shall be used for basic design. A reduction of up to thirty-three percent (33%) of the specified minimum outdoor air requirement in recirculating HVAC systems is permitted with a minimum of five (5) C.F.M. per person of outdoor air.

Outdoor air quantities other than those specified may be approved because of special occupancy or processing requirements (i.e., hospitals, schools, etc.), under section 103 of this code. If approved, such outdoor air quantities shall be used as the basis for calculating the heating and cooling design loads. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-17; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1129; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 19-3-18 Section 303.2; modified design conditions

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 18. Add section 303.2 to read as follows: Deviations from sections 302 and 303 of this code are permitted if the resulting heating and cooling loads are shown not to require the expenditure of additional energy. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-18; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1130; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 19-3-19 Section 402.3; analysis procedure

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 19. Change the last sentence in section 402.3 to read as follows: The calculation procedure shall be based upon 8,760 hours of operation of the building and its service systems and may utilize the design methods specified in Standards RS-1, RS-11, RS-12, and RS-13 listed in Chapter 7. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-19; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1130; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 19-3-20 Section 403.2; documentation

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 20. Change the first paragraph in section 403.2 to read as follows: Proposed alternative designs submitted as requests for exception to the standard design criteria shall be accompanied by an energy analysis, as specified in section 402 of this code. The report shall provide technical detail on the alternative building and system designs and on the data employed in and resulting from the comparative analysis as to verify that both the analysis and the design meet the criteria of sections 401 through 403 of this code, as applicable. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-20; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1130; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 19-3-21 Table No. 502.1.2a; thermal transmittance and R-Values

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 21. Delete the last line of the second column heading of Table No. 502.1.2a "AND FIGURE NO. 1" and substitute the following: SEE TABLE NO. 502.2.1. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-21; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1130; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 19-3-22 Table No. 502.1.2b; thermal transmittance and R-Values

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 22. Delete the last line of the second column heading of Table No. 502.1.2b "AND FIGURE NO. 1" and substitute the following: SEE TABLE NO. 502.2.1. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-22; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1130; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 19-3-23 Table No. 502.1.2c; thermal transmittance and R-Values

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 23. Delete the last line of the second column heading of Table No. 502.1.2c "AND FIGURE NO. 1" and substitute the following: SEE TABLE NO. 502.2.1. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-23; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1130; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 19-3-24 Section 502.1.4; vapor retarder

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 24. Change section 502.1.4 to read as follows:

502.1.4: In all frame walls and floors and ceilings not ventilated to allow moisture to escape, an approved vapor retarder having a maximum perm rating of 1.0, when identified as conforming to Standard RS-23 listed in Chapter 7, Procedure A, shall be used on the warm-in-winter side of the thermal insulation.

Exceptions:

1. In construction where moisture or its freezing will not damage the materials.

2. In hot and humid climate areas where the following condition(s) occur: sixty-seven degrees Fahrenheit (67°F) or higher wet-bulb temperature for three thousand (3,000) or more hours during the warmest six (6) consecutive months of the year, and/or seventy-three degrees Fahrenheit (73°F) or higher wet-bulb temperature for one thousand five hundred (1,500) or more hours during the warmest six (6) consecutive months of the year.

(*Fire Prevention and Building Safety Commission; 675 IAC 19-3-24; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1130; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 19-3-25 Section 502.2; criteria for Group R residential buildings

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 25. Change section 502.2 to read as follows: For the purpose of this code, Group R residential buildings shall include all residential buildings, three (3) stories or less in height. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-25; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1130; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 19-3-26 Section 502.2.1.3; floors over unheated spaces

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 26. Change the last sentence in section 502.2.1.3 to read as follows: For floors over outdoor air, i.e., overhangs, U_o values for heating shall meet the same requirements as shown for floors over unheated spaces in Table No. 502.2.1 of section 30 of this rule.

(Fire Prevention and Building Safety Commission; 675 IAC 19-3-26; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1131; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 19-3-27 Section 502.2.1.4; slab-on-grade floors

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 27. Change section 502.2.1.4 to read as follows: For slab-on-grade floors, the R-Value of the insulation around the perimeter of the floor shall not be less than the value given in Table No. 502.2.1 of section 30 of this rule. The insulation shall extend downward from the top of the slab to the bottom of a trench footing or from the top of the slab to the top of the inverted tee of a spread footing, or from the top of the slab downward to the bottom of the slab and then horizontally for a minimum total distance of forty-eight (48) inches and shall be a moisture resisting insulation with an absorption rate of less than five percent (5%) by volume. The top edge of the insulation installed between the exterior wall and the edge of the interior slab may be cut at a forty-five (45) degree angle away from the exterior wall. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-27; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1131; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-28 Section 502.2.1.5; crawl space walls

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 28. Change section 502.2.1.5 to read as follows: The exterior walls of crawl spaces below uninsulated floors shall have a thermal transmittance value not less than the value given in Table No. 502.2.1 of section 30 of this rule. Foam plastic insulation used in crawl spaces shall conform to the thermal barrier requirements of 675 IAC 13, the Indiana Building Code, or 675 IAC 14, the Indiana One and Two Family Dwelling Code.

Crawl space ventilation shall conform to 675 IAC 13, the Indiana Building Code, or 675 IAC 14, the Indiana One and Two Family Dwelling Code. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-28; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1131; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-29 Section 502.2.1.6; basement walls

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 29. Change section 502.2.1.6 to read as follows: The exterior walls of basements below uninsulated floors shall have a thermal transmittance value not less than the value given in Table No. 502.2.1 of section 30 of this rule to a depth of ten (10) feet below the outside finish ground level, or to the level of the basement floor, whichever is less. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-29; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1131; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-30 Table No. 502.2.1; Thermal Transmittance and R-Values

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 30. Delete Table No. 502.2.1 including the footnotes and substitute the following:

TABLE NO. 502.2.1
RESIDENTIAL BUILDINGS
REQUIRED THERMAL TRANSMITTANCE VALUES
AND R-VALUES

			(6300 HDD) NORTHERN	(5700 HDD) CENTRAL	(5000 HDD) SOUTHERN
Walls ³	Heating or Cooling	U _o	0.12	0.13	0.14
Roof/Ceiling ¹	Heating or Cooling	U _o	0.026	0.027	0.031
Floors over unheated spaces ²	Heating or Cooling	U _o	0.05	0.05	0.05
Slab-on-grade (Perimeter insulation)	Heating or Cooling	R	7.5	7.5	7.5
Crawl Spaces ² (Perimeter wall insulation)	Heating or Cooling	U _o	0.10	0.10	0.10
Basement Walls (Perimeter wall insulation)	Heating or Cooling	U ^o	0.095	0.097	0.099

¹ Cathedral ceilings of limited area may have U_o value of .08, but the walls and/or other ceilings must have the U_o decreased to balance the additional loss.

² In lieu of insulating the floor, the perimeter of the foundation shall be insulated as required by this table with a moisture resisting insulation, having an absorption rate of less than five percent (5%) by volume from the underside of the floor, including the band joist space, down to the top of the footing or to a minimum distance twenty-four (24) inches below the exterior finished grade. A ground vapor retardant having a maximum perm rating of one (1) shall be installed and shall be identified as having been tested in accordance with Standard RS-23 listed in Chapter 7.

³ For residential construction a continuous vapor retardant having a maximum perm rating of one (1) and identified as having been tested in accordance with Standard RS-23 listed in Chapter 7, shall be installed on the winter heated side of the wall insulation or alternate means may be used under section 103 of this rule [*sic.*, section 103 of this code]. The vapor retardant shall be installed as follows or alternate means may be used under section 103 of this rule [*sic.*, section 103 of this code]:

- (a) Protect the vapor retardant integrity during all construction stages particularly during dry wall or utility installation;
- (b) Vapor retardant joints shall occur only over a solid backing;
- (c) Overlap all seams or seal seams and edges with an approved sealant or adhesive to ensure an airtight seal;
- (d) Integrate preparatory vapor barrier installation into all framing work; and
- (e) Seal vapor retardant around doors, windows, outlets, pipes, vents, chimneys, and any other penetrations.

(*Fire Prevention and Building Safety Commission; 675 IAC 19-3-30; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1131; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 19-3-31 Section 502.3.1.4; slab-on-grade floors

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 31. Change section 502.3.1.4 to read as follows: For slab-on-grade floors, the R-Value of the insulation around the perimeter of the floor shall not be less than the value given in Table No. 502.3.1 of section 34 of this rule. The insulation shall extend downward from the top of the slab to the bottom of a trench footing or from the top of the slab to the top of the inverted tee of a spread footing or from the top of the slab downward to the bottom of the slab and then horizontally for a minimum total distance of

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forty-eight (48) inches, and shall be a moisture resisting insulation with an absorption rate of less than five percent (5%) by volume. The top edge of the insulation installed between the exterior wall and the edge of the interior slab may be cut at a forty-five (45) degree angle away from the exterior wall. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-31; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1132; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-32 Section 502.3.1.5; crawl space walls

Authority: IC 22-13-2-2; IC 22-13-4-1
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 32. Change section 502.3.1.5 to read as follows: The exterior walls of crawl spaces below uninsulated floors shall have a thermal transmittance value not less than the value given in Table No. 502.3.1 of section 34 of this rule. Foam plastic insulation used in crawl spaces shall conform to the thermal barrier requirements of 675 IAC 13, the Indiana Building Code. Crawl space ventilation shall conform to 675 IAC 13, the Indiana Building Code. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-32; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1132; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-33 Section 502.3.1.6; basement walls

Authority: IC 22-13-2-2; IC 22-13-4-1
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 33. Change section 502.3.1.6 to read as follows: The exterior walls of basements below uninsulated floors shall have a thermal transmittance value not less than the value given in Table No. 502.3.1 of section 34 of this rule to a depth of ten (10) feet below the outside finish ground level, or to the level of the basement floor, whichever is less. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-33; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1132; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-34 Table No. 502.3.1; thermal transmittance and R-Values

Authority: IC 22-13-2-2; IC 22-13-4-1
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 34. Delete Table No. 502.3.1 including the footnotes, and substitute the following:

TABLE NO. 502.3.1
 ALL OTHER BUILDINGS
 REQUIRED THERMAL TRANSMITTANCE VALUES
 AND R-VALUES

			(6300 HDD) northern	(5700 HDD) central	(5000 HDD) southern
Walls 3 Stories or Less	Heating	U _o	0.27	0.28	0.29
	Cooling	OTTV	33.8	33.4	33.0
		SF	128	127	126
Walls Over 3 Stories	Heating	U _o	0.32	0.34	0.35
	Cooling	OTTV	33.8	33.4	33.0
		SF	128	127	126
Roof/Ceiling	Heating or Cooling	U _o	0.074	0.078	0.084

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		OTTV	8.5	8.5	8.5
Floors Over ¹ Unheated Spaces	Heating or Cooling	U _o	0.05	0.05	0.05
Slab-on-Grade (Perimeter Insulation)	Heating or Cooling	R	7.5	7.5	7.5
Crawl Spaces ¹ (Perimeter Wall Insulation)	Heating or Cooling	U _o	0.10	0.10	0.10
Basement Walls (Perimeter Wall Insulation)	Heating or Cooling	U _o	0.095	0.097	0.099

¹ In lieu of insulating the floor, the perimeter of the foundation shall be insulated as required by this table with a moisture resisting insulation, having an absorption rate of less than five percent (5%) by volume, from the underside of the floor, including the band joist space, down to the top of the footing or to a minimum distance twenty-four (24) inches below the exterior finished grade. A ground cover vapor retardant having a maximum perm rating of one (1) shall be installed and shall be identified as having been tested in accordance with Standard RS-23 listed in Chapter 7. Foundation vents shall be installed as required by 675 IAC 13, the Indiana Building Code.

(Fire Prevention and Building Safety Commission; 675 IAC 19-3-34; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1133; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 19-3-35 Table No. 502.4.2

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 35. Change footnote number 2 in Table No. 502.4.2 to read as follows: Compliance with the criteria for air leakage may be determined by Standard RS-2 listed in Chapter 7. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-35; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1134; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-36 Section 503.2.1; calculation procedures

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 36. Change section 503.2.1 to read as follows: Heating and cooling design loads for the purpose of sizing systems may be determined in accordance with one of the procedures described in Chapters 25 and 26 of Standard RS-1 listed in Chapter 7. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-36; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1134; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-37 Section 503.2.2; infiltration

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 37. Change section 503.2.2 to read as follows: Infiltration for heating and cooling design loads may be calculated for all buildings except one and two family dwellings by the procedures in Chapter 22 of Standard RS-1 listed in Chapter 7. Calculations for one and two family dwellings may use the methods identified in section 503.2.1 of this code or other approved engineering practices. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-37; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1134; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-38 Section 503.4.2; HVAC system heating equipment heat pump-heating mode

Authority: IC 22-13-2-2; IC 22-13-4-1
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 38. Change section 503.4.2 to read as follows:

503.4.2: HVAC system heating equipment heat pump-heating mode: Heat pumps whose energy input is entirely electric shall have a coefficient of performance (COP) or a heating season performance factor (HSPF) heating, not less than the values in Table No. 503.4.2.

(Fire Prevention and Building Safety Commission; 675 IAC 19-3-38; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1134; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 19-3-39 Table No. 503.4.2; heat pumps

Authority: IC 22-13-2-2; IC 22-13-4-1
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 39. Delete Table No. 503.4.2 and footnote and substitute as follows:

TABLE NO. 503.4.2
 MINIMUM COP AND HSPF FOR HEAT PUMPS,
 HEATING MODE

Source	MINIMUM COP	MINIMUM HSPF
Air Source	na	6.8
Water Source	3.0	na

(Fire Prevention and Building Safety Commission; 675 IAC 19-3-39; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1134; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 19-3-40 Section 503.4.3; Table No. 503.4.2a

Authority: IC 22-13-2-2; IC 22-13-4-1
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 40. (a) Delete Table No. 503.4.2a.

(b) Change section 503.4.3 to read as follows: Gas and oil-fired comfort heating equipment as listed below shall have an AFUE of not less than the values in Table No. 503.4.3. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-40; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1134; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-41 Table No. 503.4.3; HVAC fuel utilization

Authority: IC 22-13-2-2; IC 22-13-4-1
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 41. Delete Table No. 503.4.3 and footnotes and substitute as follows:

TABLE NO. 503.4.3
 HVAC SYSTEM HEATING EQUIPMENT GAS AND OIL-FIRED MINIMUM
 ANNUAL FUEL UTILIZATION EFFICIENCY (AFUE)

FURNACES OF CAPACITIES OF 225,000 BTU/H AND LESS BOILERS OF CAPACITIES OF 300,000 BTU/H AND LESS		ALL OTHER COMMERCIAL INDUSTRIAL FURNACES AND BOILERS
Types of equipment	Percent	Percent
Forced-air furnaces and low-pressure steam or hot-water boilers	78	80
All other vented heating equipment	74	—

(Fire Prevention and Building Safety Commission; 675 IAC 19-3-41; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1134; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 19-3-42 Section 503.4.5; HVAC system equipment, electrically operated, cooling mode

Authority: IC 22-13-2-2; IC 22-13-4-1
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 42. Change section 503.4.5 to read as follows:

503.4.5: HVAC system equipment, electrically operated, cooling mode: HVAC system equipment whose energy input in the cooling mode is entirely electric, shall have a Seasonal Energy Efficiency Ratio (SEER) cooling not less than the values in Table No. 503.4.5.

(Fire Prevention and Building Safety Commission; 675 IAC 19-3-42; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1135; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 19-3-43 Table No. 503.4.5; HVAC energy efficiency

Authority: IC 22-13-2-2; IC 22-13-4-1
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 43. Delete Table No. 503.4.5 and footnotes and substitute as follows:

TABLE NO. 503.4.5
 MINIMUM SEER FOR ELECTRICALLY
 DRIVEN HVAC-SYSTEM EQUIPMENT - COOLING

STANDARD RATING CAPACITY	(SEER)
Split Systems	10
Single Package	9.7

(Fire Prevention and Building Safety Commission; 675 IAC 19-3-43; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1135; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 19-3-44 Table No. 503.4.5a

Authority: IC 22-13-2-2; IC 22-13-4-1
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 44. Delete Table No. 503.4.5a. (Fire Prevention and Building Safety Commission; 675 IAC 19-3-44; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1135; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 19-3-45 Section 503.7; cooling with outdoor air (economizer cycle)

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 45. (a) Change the last sentence of the first paragraph of section 503.7 before the exceptions to read as follows: Activation of economizer cycle shall be controlled by sensing outdoor air enthalpy and dry-bulb temperature jointly or outdoor air dry-bulb temperature alone or by alternate means may be used under section 103 of this code.

(b) Change Exception number 1 in section 503.7 to read as follows: The fan system capacity is less than 5,000 cfm or total cooling capacity is less than 134,000 BTU/hour.

(c) Delete Exception number 6 in section 503.7.

(d) Delete Exception number 8 in section 503.7. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-45; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1135; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 19-3-46 Section 503.8.1; temperature control

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 46. Change section 503.8.1 to read as follows: Each heating and/or cooling system shall be provided with at least one adjustable thermostat for the regulation of temperature. Each thermostat shall be capable of being set by adjustment or selection of sensors as follows: (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-46; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1135; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 19-3-47 Section 503.8.2; humidity control

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 47. Change the exception in section 503.8.2 to read as follows: Exception: Special occupancies requiring different relative humidities may be permitted under section 103 of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-47; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1136; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 19-3-48 Section 503.9.1; air-handling duct system insulation

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 48. (a) Change Exception number 2 in section 503.9.1 to read as follows: When supply or return air ducts are installed in basements, cellars, ventilated crawl spaces or unventilated crawl spaces, having insulated walls in one or two family dwellings or townhouses.

(b) Add to the end of section 503.9.1 to read as follows: Duct insulation materials for one and two family dwellings and townhouses shall conform to the following:

1. Duct insulation when required for residential construction shall have a minimum R-value of six (6).
2. Coverings and linings, including adhesives when used, shall have a flame-spread rating not over twenty-five (25) without evidence of continued progressive combustion and a smoke-developed rating not over fifty (50).
3. Duct coverings and linings shall not flame, glow, smolder or smoke when tested, and the duct covering shall be labeled as being in accordance with ASTM C411, at the temperature to which it is exposed in service. In no case shall the test temperature be below two hundred fifty degrees Fahrenheit (250°F).
4. Linings shall be interrupted for a minimum of eighteen (18) inches upstream and thirty (30) inches downstream from electric-resistance and fuel-burning heaters within a duct system.
5. Listed equipment internally lined shall be considered as meeting the requirements of this section.
6. Duct coverings shall not penetrate a wall or floor required to have a fire-resistive rating or required to be firestopped.
7. Service openings shall not be concealed by duct coverings unless the exact location of the opening is properly labeled.
8. External ductwork insulation and factory-insulated flexible ductwork shall be legibly printed or labeled at intervals not

greater than thirty-six (36) inches with the name of the manufacturer, the nominal thickness and density of the insulation or R-Value and the flame-spread and smoke-developed ratings of the composite materials.

9. Duct and piping insulation materials for other than one and two family dwellings and townhouses shall conform to sections 1005 and 2127.2A(8) of 675 IAC 18, the Indiana Mechanical Code.

(Fire Prevention and Building Safety Commission; 675 IAC 19-3-48; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1136; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 19-3-49 Section 503.10; duct construction

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 49. Delete section 503.10 and footnote number 1 and substitute the following: Ductwork shall be constructed and erected in accordance with 675 IAC 18, the Indiana Mechanical Code, or 675 IAC 14, the Indiana One and Two Family Dwelling Code, as required. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-49; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1136; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-50 Section 503.10.1; duct construction

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 50. Change the first line of section 503.10.1 to read as follows: High-pressure and medium-pressure ducts may be leak tested in. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-50; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1136; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-51 Section 503.11; piping insulation

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 51. Change Exception number 4 in section 503.11 to read as follows: When piping is installed in basements, cellars, ventilated crawl spaces or unventilated crawl spaces having insulated walls in one and two family dwellings or townhouses. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-51; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1136; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-52 Section 504.2.1.1; electric water heaters

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 52. Change section 504.2.1.1 to read as follows: Automatic electric storage water heaters having a storage capacity of one hundred twenty (120) gallons or less and an input rating 12kW or less shall have a standby loss not exceeding four (4.0) watts/ft.² of tank surface area or forty-three (43) watts, whichever is greater, and shall be identified as having been tested in accordance with Standard RS-5 listed in Chapter 7 and calculated at eighty degrees Fahrenheit (80°F) temperature difference.

Automatic electric storage water heaters having either a storage capacity greater than one hundred twenty (120) gallons or an input rate greater than 12kW shall have all waterbacked storage tank surfaces insulated to at least R-10 or have a standby loss not exceeding four (4.0) watts/ft.² and shall be identified as having been tested in accordance with Standard RS-6 listed in Chapter 7. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-52; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1136; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-53 Section 504.2.1.2; gas and oil-fired water heaters

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 53. Change the second and third paragraphs of section 504.2.1.2 to read as follows: These storage water heaters shall be identified as having been tested in accordance with Standard RS-5 listed in Chapter 7.

Other gas-fired water heaters shall have a thermal efficiency (E_t) of not less than seventy-five percent (75%) and shall be identified as having been tested in accordance with Standard RS-7 listed in Chapter 7. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-53; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1137; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-54 Section 504.2.3; combination service water heating/space heating boilers

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 54. Change Exception number 1 of section 504.2.3 to read as follows:

Systems with service/space heating boilers having a standby loss (BTU/h) less than:

$$\frac{13.3 \text{ pmd} + 400}{7}$$

determined by the fixture count method where: pmd = probable maximum demand in gallons/hour which may be determined in accordance with Chapter 37 of Standard RS-11 listed in Chapter 7.

n = fraction of year when outdoor daily mean temperature exceeds sixty-four and nine-tenths (64.9) degrees F.

The standby loss is to be determined for a test period of twenty-four (24) hour duration while maintaining a boiler water temperature of ninety degrees Fahrenheit (90°F) above an ambient of sixty degrees Fahrenheit (60°F) to ninety degrees Fahrenheit (90°F) and a five (5) foot stack on appliance.

(Fire Prevention and Building Safety Commission; 675 IAC 19-3-54; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1137; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 19-3-55 Section 504.3; automatic controls

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 55. Change the second sentence of section 504.3 to read as follows: Temperature setting range may be in accordance with Table No. 2 in Chapter 37 of Standard RS-11 listed in Chapter 7. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-55; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1137; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-56 Section 504.5; swimming pools

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 56. Add a paragraph at the end of section 504.5.1 to read as follows: The thermal efficiency of pool heaters shall be no less than seventy-eight percent (78%). *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-56; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1137; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-57 Section 504.5.3; time clocks

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 57. Delete section 504.5.3. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-57; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1137; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-58 Section 504.8.2.2; lavatories in rest rooms of public facilities

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 58. Change section 504.8.2.2 to read as follows: Lavatory outlet temperature shall be as required by 675 IAC 16, the

Indiana Plumbing Code. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-58; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1137; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 19-3-59 Section 505; electrical power and lighting

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 59. Delete section 505 and substitute the provisions of sections 60 through 65 of this rule. (*Fire Prevention and Building Safety Commission; 675 IAC 19-3-59; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1137; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 19-3-60 Section 505.1; general

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 60. Section 505.1 is added to read as follows:

505.1 General. Electrical distribution and lighting systems shall be designed for efficient use of electrical energy from the service entrance to the points of use.

(*Fire Prevention and Building Safety Commission; 675 IAC 19-3-60; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1137; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 19-3-61 Section 505.2; electrical distribution

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 61. Section 505.2 is added to read as follows:

505.2 Electrical Distribution. 505.2.1 Power Factor. Utilization equipment rated greater than 1,000W, and lighting equipment greater than 15W, with an inductive reactance load component, shall have a power factor of not less than eighty-five percent (85%) under rated load conditions. A power factor of less than eighty-five percent (85%) shall be corrected to at least ninety percent (90%) rated condition. Power factor corrective devices, installed to comply with this code shall be switched with the utilization equipment, except where this results in an unsafe condition or interferes with the intended operation of the equipment. Where the servicing utility certifies that power factor corrective devices at the service entrance are as effective as a corrective device or devices on utilization equipment, either technique may be employed.

505.2.2 Lighting Switching. Switching should be provided for each lighting circuit or for portions of each circuit, so that the partial lighting required for custodial or for effective complementary use with natural lighting may be operated selectively. Circuiting and switching or dimming shall be provided so that:

505.2.2.1 lighting in each task area larger than one hundred (100) square feet can be reduced by at least one-half (1/2) when the task is not being performed.

505.2.2.2 lighting can be turned off when a space is empty and not used.

505.2.2.3 lighting can be selectively reduced or turned off either manually or automatically where daylighting is adequate.

505.2.3 Electrical Energy Determination. In all multifamily dwellings, provisions shall be made to determine the energy consumed by each tenant by separately metering individual dwelling units.

Exception 1. Motels, hotels, bed and breakfast establishments, and dormitories are exempt from these requirements.

Exception 2. This provision does not apply to units with a common central electrical HVAC and/or service water heating systems, but electric lighting systems shall be separately metered.

(*Fire Prevention and Building Safety Commission; 675 IAC 19-3-61; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1138; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 19-3-62 Section 505.3; lighting power budget

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 62. Section 505.3 is added to read as follows:

505.3 Lighting Power Budget. The purpose of this section is to outline a procedure for determining the maximum power limit for the lighting.

A lighting power budget is the upper limit of the power to be available to provide the lighting needs in accordance with the criteria and calculation procedure specified herein.

The lighting power budget for the building shall be the sum of the power limits computed for all lighted interior and exterior spaces and shall be determined in accordance with the procedures specified in this section.

One and two family detached dwellings, bed and breakfast establishments and the dwelling portion of multifamily dwellings are exempt from the requirements of this section.

505.3.1 Calculation Methods

505.3.1.1 The criteria specified below shall be utilized for computation of the lighting power maximum. All calculations shall be in accordance with section 505.3.5 of this code.

505.3.1.2 When insufficient information is known about the specific use of the building space (e.g., number of occupants, space function, location of partitions), the budget shall be based on the apparent intended use of the building space.

505.3.2 Building Interiors. The budget electric power for lighting shall be established by using the criteria and the calculation procedures specified in this section. The value shall be based on the use for which the space is intended.

505.3.2.1 Illumination Level Criteria. For the purpose of establishing a budget, levels of illumination may be as stated in RS-8 listed in Chapter 7. Those levels shall be used as follows:

505.3.2.1.1 Task Lighting. In most cases, the levels of illumination listed are for specific tasks. These levels are for the task areas and may be used as defined in RS-8 listed in Chapter 7, or where not defined, at all usable portions of task surfaces. In some cases, the levels of illumination are listed for locations. These levels are to be considered as average levels.

505.3.2.1.2 General Lighting. In areas surrounding task locations the average level of general lighting, for budget purposes only, shall be one-third (1/3) the level for the tasks performed in the area. Where more than one task level occurs in a space, the general level shall be one-third (1/3) the weighted average of the specific task levels.

505.3.2.1.3 Non-Critical Lighting. In circulation and seating areas where no specific visual tasks occur, the average level of illumination shall be one-third (1/3) of the average general lighting in the adjacent space.

505.3.2.1.4 Lighting System Criteria. For the purposes of establishing a power budget, only lamp efficacies and coefficients of utilization (CU) specified in Table No. 505.3.2.1a of section 63 of this rule and Table No. 505.3.2.1b of section 64 of this rule shall be assumed.

505.3.3 Exceptions to Building Interior Criteria

505.3.3.1 The criteria of section 505.3.2 shall not apply to specific areas (i.e., Operating rooms, T.V. studios, etc.), when approved under section 103 of this code.

505.3.4 Building Exteriors. For exterior spaces, the lighting power budget shall be based on the use for which the space is intended.

505.3.4.1 Criteria. The same criteria as those for interior spaces apply for illumination levels and lighting systems with the addition of luminaires for floodlighting.

505.3.4.2 Facade Lighting. Facade lighting maximums shall be no greater than two percent (2%) of the total interior lighting budget of the building.

505.3.4.3 Calculation Procedure. In establishing a lighting power budget the following procedures shall be used:

505.3.4.3.1 Overhead Lighting. The procedure specified in this section shall be followed for overhead lighting.

505.3.4.3.2 Floodlighting. The beam lumen method in RS-8 and a coefficient of beam utilization (CBU) of 0.75 may be used for floodlighting calculations.

505.3.5 Calculation Procedure. To establish a lighting power budget, the following procedure shall be used:

505.3.5.1 Determining Illumination Levels and Areas

505.3.5.1.1 Determine the visual tasks that are expected to be performed in each space (the commonly found tasks at each work station) and the number of planned work locations where tasks will be performed. If assumptions are made, their bases shall be indicated.

505.3.5.1.2 Select the illumination level, in footcandles for those expected tasks in accordance with section 505.3.2.1.1 of this code.

505.3.5.1.3 Calculate total task areas to be illuminated to the same level by multiplying the number of work locations by fifty (50) square feet per work location. (Total task area shall not exceed actual total space area.) If the actual task area is greater than fifty (50) square feet the actual area shall be used. If special task lighting or localized lighting is to be employed, use the actual task areas and point calculation procedures.

505.3.5.1.4 Calculate the level of general lighting by multiplying the task lighting level by one-third (1/3), where there is only one task level, or by taking one-third (1/3) of the sum of the products of the task levels (b) and their areas (c) divided by the total task areas in accordance with section 505.3.2.1.2 of this code.

505.3.5.1.5 Calculate the level of non-critical lighting in accordance with section 505.3.2.1.3 of this code.

505.3.5.2 Determining Lighting System Data:

505.3.5.2.1 Determine light source and luminaire types.

505.3.5.2.2 Determine lamp lumens per watt and luminaire coefficients of utilization for room luminaire mounting height dimensions. Luminaire CUs shall be selected from manufacturers' data. In all cases, no luminaire shall have a CU for Room Cavity Ratio (RCR) 1 of less than that given in Table No. 505.3.2.1b of section 64 of this rule. Lamp efficacies shall be those listed in Table No. 505.3.2.1a of section 63 of this rule.

505.3.5.3 Determining Maximum Wattage:

505.3.5.3.1 Using data from section 505.3.5.2 of this code, the illumination levels and areas determined in section 505.3.5.1 of this code, and the criteria of Table No. 505.3.3.3 of section 65 of this rule calculate the allowable wattages using the lumen method.

505.3.5.3.2 Calculate the total space wattage by adding the task, general and non-critical lighting loads.

505.3.5.3.3 Add the wattage of luminaires allowed in section 505.3.3.1 of this code and section 505.3.3.2 of this code.

505.3.6 The lighting power maximum thus calculated establishes the limit that cannot be exceeded.

(Fire Prevention and Building Safety Commission; 675 IAC 19-3-62; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1138; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 19-3-63 Table No. 505.3.2.1a; lamp efficacies

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 63. Add Table No. 505.3.2.1a to read as follows:

TABLE NO. 505.3.2.1a
LAMP EFFICACIES

Application	Lumens* per watt
Where color rendition is not a consideration	100
Where moderate color rendition is appropriate	55
Where good color rendition is appropriate	40
Where high color rendition is appropriate, spaces are less than fifty (50) ft ² or where use of low wattage High Intensity Discharge (HID) lamps under 250w or fluorescent lamps under 40w is appropriate	25

*The initial lumen output per watt input, including ballast losses.

(Fire Prevention and Building Safety Commission; 675 IAC 19-3-63; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1140; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 19-3-64 Table No. 505.3.2.1b; luminaire coefficients of utilization (CU)

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 64. Add Table No. 505.3.2.1b to read as follows:

TABLE NO. 505.3.2.1b

FIRE PREVENTION AND BUILDING SAFETY COMMISSION

LUMINAIRE COEFFICIENTS OF UTILIZATION (CU)*

Space Use	Minimum CU (at RCR = 1)
For spaces with tasks subjected to veiling reflections (where design levels of illumination are listed in terms of equivalent sphere illumination (ESI) and where visual comfort is important.	0.55
For spaces without tasks, or with tasks not subjected to veiling reflections, but where visual comfort is important.	0.63
For spaces without tasks and where visual comfort is not a criterion.	0.70

*Coefficients of utilization (CU's) are to be for luminaires for use in the types of spaces listed, and those luminaires shall have a CU of no less than that listed for each type space for a Room Cavity Ratio (RCR) of 1 and reflect areas as in Table No. 505.3.3.3. (Fire Prevention and Building Safety Commission; 675 IAC 19-3-64; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1140; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 19-3-65 Table No. 505.3.3.3; reflectances and light loss factors

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 65. Add Table No. 505.3.3.3 to read as follows:

TABLE NO. 505.3.3.3
REFLECTANCES & LIGHT LOSS FACTORS

Interior Spaces*	Reflectance	Light Loss Factor
Ceiling Cavity	80 percent	—
Wall	50 percent	0.70
Floor Cavity	20 percent	—

*For interior spaces, initial cavity and surface reflectances shall be shown. (Fire Prevention and Building Safety Commission; 675 IAC 19-3-65; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1141; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 19-3-66 Section 602.1; general

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 66. Change the first paragraph of section 602.1 to read as follows: The various wall, roof and floor assemblies in the Appendix are typical and are not intended to be all inclusive. Other assemblies may be used under section 103 of this code indicating the thermal transmittance value of the opaque section. (Fire Prevention and Building Safety Commission; 675 IAC 19-3-66; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1141; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 19-3-67 Section 602.1.1; vapor retarder

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 67. Delete section 602.1.1 and substitute as follows:

602.1.1 In all frame walls and floors and ceilings not ventilated to allow moisture to escape, an approved vapor retarder having a maximum perm rating of 1.0, when identified as conforming to Standard RS-23 listed in Chapter 7, Procedure A, shall be

used on the warm-in-winter side of the thermal insulation.

Exceptions:

1. In construction where moisture or its freezing will not damage the materials.
2. In hot and humid climate areas where the following condition(s) occur: sixty-seven degrees Fahrenheit (67°F) or higher wet-bulb temperature for three thousand (3,000) or more hours during the warmest six (6) consecutive months of the year, and/or seventy-three degrees Fahrenheit (73°F) or higher wet-bulb temperature for one thousand five hundred (1,500) or more hours during the warmest six (6) consecutive months of the year.

(Fire Prevention and Building Safety Commission; 675 IAC 19-3-67; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1141; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 19-3-68 Section 602.2.1; walls

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 68. Change the last sentence of section 602.2.1 to read as follows: The U_o of the wall may be determined by selecting the U_w value for the wall section from Appendix Table No. 602.2.1a, 602.2.1b or 602.2.1c and modifying the U_w by the use of chart 602.2.1(a), 602.2.1(b), 602.2.1(c) or 602.2.1(d) based on the glazing area. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-68; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1141; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-69 Section 602.2.2; roof/ceiling

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 69. Change section 602.2.2 to read as follows: The roof/ceiling assembly may be selected from Appendix Table No. 602.2.2 for thermal transmittance value not exceeding the value specified for roof/ceiling in Table No. 502.2.1 of section 30 of this rule or Table No. 502.3.1 of section 34 of this rule as appropriate for the building type. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-69; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1141; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-70 Section 602.2.3; floors over unheated spaces

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 70. Change section 602.2.3 to read as follows: The floor section over an unheated space may be selected from Appendix Table No. 602.2.3 for the overall thermal transmittance value (U_o) not exceeding the value specified for floors in Table No. 502.2.1 of section 30 of this rule or Table No. 502.3.1 of section 34 of this rule as appropriate for the building type. For floors over outdoor air, i.e., overhangs, U_o values for heating shall meet the same requirements as shown for floors in Table No. 502.2.1 of section 30 of this rule. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-70; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1142; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-71 Section 602.2.4; slab-on-grade floors

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 71. Change section 602.2.4 to read as follows: For slab-on-grade floors, the R-Value of the insulation around the perimeter of the floor shall not be less than the value given in Table No. 502.2.1 of section 30 of this rule or Table No. 502.3.1 of section 34 of this rule. The insulation shall extend downward from the top of the slab to the bottom of a trench footing or from the top of the slab to the top of the inverted tee of a spread footing or from the top of the slab downward to the bottom of the slab and then horizontally for a minimum distance of forty-eight (48) inches, and shall be a moisture resisting insulation with an absorption rate of less than five percent (5%) by volume. The top edge of the insulation installed between the exterior wall and the edge of the interior slab may be cut at a forty-five (45) degree angle away from the exterior wall. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-71; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1142; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-72 Section 602.2.5; crawl space walls

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 72. Change section 602.2.5 to read as follows: The exterior walls of crawl spaces below uninsulated floors shall have a thermal transmittance value of not less than the value given in Table No. 502.2.1 of section 30 of this rule or Table No. 502.3.1 of section 34 of this rule. Foam plastic insulation used in crawl spaces shall conform to the thermal barrier requirements of 675 IAC 13, the Indiana Building Code, or 675 IAC 14, the Indiana One and Two Family Dwelling Code.

Crawl space ventilation shall conform to 675 IAC 13, the Indiana Building Code, or 675 IAC 14, the Indiana One and Two Family Dwelling Code. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-72; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1142; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-73 Section 602.2.6; basement walls

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 73. Change section 602.2.6 to read as follows: The exterior walls of basements below uninsulated floors shall have a thermal transmittance value of not less than the value given in Table No. 502.2.1 of section 30 of this rule or Table No. 502.3.1 of section 34 of this rule to a depth of ten (10) feet below the outside finish ground level, or to the level of the basement floor, whichever is less. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-73; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1142; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-74 Section 603.2.1; heating and mechanical cooling equipment performance

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 74. Delete section 603.2.1 including Tables No. 603.2.1a, 603.2.1b, 603.2.1c, and 603.2.1d and substitute the following: Equipment and mechanical component performance and efficiency factors shall be as required by Chapter 5 of this code. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-74; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1142; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-75 Section 603.2.2; combustion heating equipment

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 75. (a) Change section 603.2.2 to read as follows: Gas and oil-fired comfort heating equipment shall have an AFUE of not less than the values shown in Table No. 503.4.3.

(b) Delete Table No. 603.2.2 and footnotes. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-75; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1142; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-76 Section 604.1.2.3; swimming pools

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 76. (a) Delete the last paragraph of section 604.1.2.3.

(b) Add a paragraph to the end of section 604.1.2.3 to read as follows: The thermal efficiency of pool heaters shall be no less than seventy-eight percent (78%). *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-76; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1142; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-77 Section 605; electrical power and lighting

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 77. Change section 605 to read as follows: The electrical power distribution and lighting systems shall conform to the requirements of section 505 of this code.

Exception: One and two family detached dwellings, bed and breakfast establishments, and the dwelling portion of multifamily buildings are exempt from the requirements of this section.

(Fire Prevention and Building Safety Commission; 675 IAC 19-3-77; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1143; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 19-3-78 Section 701.1; standards

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 78. (a) Change the first paragraph of section 701.1 to read as follows: The standards and portions thereof, which are referenced in various parts of this code and in this section are not adopted and are not enforceable as part of this code, and are for reference only.

(b) Change RS-1 in section 701.1 to read as follows: 1989 ASHRAE Handbook of Fundamentals.

(c) Delete in section 701.1, Standards RS 16, RS 17, RS 18, and RS 19. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-78; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1143; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-79 Chapter 7

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 79. Delete in Chapter 7 the following: Figures No. 1 through No. 9. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-79; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1143; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 19-3-80 Appendix

Authority: IC 22-13-2-2; IC 22-13-4-1

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-9

Sec. 80. Add a paragraph to the Appendix to read as follows: The tables in the Appendix are for information only and are not adopted as part of this code. *(Fire Prevention and Building Safety Commission; 675 IAC 19-3-80; filed Dec 1, 1992, 5:00 p.m.: 16 IR 1143; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

ARTICLE 20. SWIMMING POOL CODE

Rule 1. Indiana Swimming Pool Code (Repealed)

(Repealed by Fire Prevention and Building Safety Commission; filed Aug 14, 1989, 9:00 a.m.: 13 IR 81)

Rule 1.1. General Provisions and Definitions

675 IAC 20-1.1-1 Title and availability

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 1. (a) This article shall be known as the Indiana Swimming Pool Code, second edition, and will be published by the Indiana fire and building services department for general use and distribution under that title. Whenever the term "this code" is used in this article, it shall mean the Indiana Swimming Pool Code, second edition.

(b) The Indiana Swimming Pool Code is available for purchase from the Indiana Fire and Building Services Department, 1099 North Meridian Street, Suite 900, Indianapolis, Indiana 46204. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-1; filed Aug 14, 1989, 9:00 a.m.: 13 IR 38, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 20-1.1-2 Definitions; general

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 2. For the purpose of this code, the definitions in this rule apply throughout this article. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-2; filed Aug 14, 1989, 9:00 a.m.: 13 IR 38, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 20-1.1-3 Definitions "A"

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 3. (a) "Abrasion hazard" means a sharp or rough surface which could cause injury under normal use.

(b) "Accessible" means, when applied to a fixture, connection, appliance, or equipment, having access thereto, but may require the removal of an access panel, door, or similar obstruction. "Readily accessible" means direct access without the necessity of removing any panel, door, or similar obstruction.

(c) "Agitation" means the mechanical or manual movement to dislodge the filter aid and dirt from the filter element.

(d) "Airbreak" means a physical separation which may be a low inlet into the indirect waste receptor from the fixture, appliance, or device indirectly connected.

(e) "Air bump assist backwash" means, in a diatomite type filter, the compressing of a volume of air in the filter effluent chamber (by means of an air compressor or by the water pressure from the recirculating pump) which, when released, rapidly decompresses and forces water in the filter tank through the elements in a reverse direction dislodging the filter aid and accumulated dirt and carrying them to waste.

(f) "Air induction system" means a system whereby a volume of air (only) is induced into hollow ducts built into a spa floor, bench, or other location. The air induction system is activated by a separate air power unit (blower).

(g) "Airgap" means the unobstructed vertical distance through the free atmosphere between the lowest opening from any pipe or faucet conveying water or waste to a tank, plumbing fixture receptor, or other device and the flood level rim of the receptacle.

(h) "Approved" means, as to materials and types of construction, the approval by the state building commissioner as the result of investigation and tests conducted by him, or by reason of accepted principles or tests by approved agencies.

(i) "Approved agency" means an established and recognized agency regularly engaged in conducting tests or furnishing inspection services, when such agency has been approved by the state building commissioner or is listed in 675 IAC 12-6-11. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-3; filed Aug 14, 1989, 9:00 a.m.: 13 IR 38, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 20-1.1-4 Definitions "B"

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 4. (a) "Backwash" means the process of thoroughly cleaning the filter medium and/or elements by the reverse flow of water.

(b) "Backwash cycle" means the time required to backwash the filter system thoroughly.

(c) "Backwash pipe" means a type of filter waste discharge piping as defined in section 8(o) of this rule.

(d) "Backwash rate" means the rate of application of water through a filter during the backwash cycle expressed in United

States gallons per minute per square foot (liters per minute per square meter) of effective filter area.

(e) "Bather" means a person using the pool and adjoining deck areas for the purpose of water sports or related activities.

(f) "Beginners' area" means the water areas ranging in depth from two (2) feet to three (3) feet.

(g) "Body feed" means the continuous addition of controlled amounts of filter aid during the operation of a diatomite type filter to maintain a permeable filter cake. If added as a slurry, this may be referred to as a slurry feed.

(h) "Booster pump system" means a device used to provide hydraulic support for certain types of equipment such as pool cleaning systems, gas chlorinators, and solar systems.

(i) "Breakpoint chlorination" means the addition of a sufficient amount of chlorine to water to destroy the combined chlorine present.

(j) "Broadcast" means a method of putting granular or powdered chemicals into a pool by spreading them widely over the surface of the water.

(k) "Building official" means the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the commission. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-4; filed Aug 14, 1989, 9:00 a.m.: 13 IR 39, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 20-1.1-5 Definitions "C"

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 5. (a) "Cartridge" means a filter component of either the depth or surface type having fixed dimensions and designed to remove suspended particles from water flowing through the unit.

(b) "Cartridge, depth type" means a filter cartridge with a medium relying on penetration of particulates into the medium for removal and providing adequate holding capacity of such particulates.

(c) "Cartridge, surface type" means a filter cartridge with a medium relying on retention of particles on the surface of the cartridge for removal.

(d) "Chemical feeder" means any device used to feed chemicals such as sanitizers, pH adjusters, algicide, etc. into a pool or spa.

(e) "Chemical feeder output rate" means the weight or volume of active ingredients delivered by a chemical feeder expressed in units of weight or volume and time.

(f) "Chemical feed rate indicator" means a mechanism which will produce reproducible results expressed in units of weight or volume of chemical per unit of time or per unit of volume of water; said mechanism may be a direct reading instrument or may require the use of a reference chart.

(g) "Chemical piping" means piping which conveys concentrated chemical solutions from a feeding apparatus to the circulation piping.

(h) "Circulation piping system" means the piping between the pool structure and the mechanical equipment. It usually includes suction piping, face piping, and return piping.

(i) "Combination valve" means multiport valve.

(j) "Contact concentration" means the concentration of a chemical in a flow of water. This concentration depends on the rate of addition, the flow rate of the water, and the efficiency of the mixing. It is calculated using the equation (assumes complete mixing):
Amount of chemical (grams per hour)/water flow rate (gallons per minute) × 4.41 = contact concentration (milligrams per liter).

(k) "Corrosion-resistant" means capable of maintaining original surface characteristics under the prolonged influence of the use environment.

(l) "Cove" means the radius between the wall and the floor. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-5; filed Aug 14, 1989, 9:00 a.m.: 13 IR 39, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 20-1.1-6 Definitions "D"

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 6. (a) "Decks" means those areas surrounding a pool which are specifically constructed or installed for use by bathers.

(b) "Deep areas" means the portions of a pool having water depths in excess of five (5) feet.

(c) "Design head" means the total head requirement of the circulation system at the design rate of flow.

(d) "Design rate of flow (design filter rate)" means the rate of flow in a system which is used for design calculation. (The volume of the pool, spa, or hot tub in gallons divided by the number of minutes in the turnover time.)

(e) "Diatomite filter" means one designed to filter water through a thin layer of filter aid such as diatomaceous earth or volcanic ash. Diatomite filters may be of the pressure or vacuum type.

(f) "Distribution system, upper" means those devices designed to distribute the water entering a sand type filter in a manner such as to prevent movement or migration of the filter media. This system shall also properly collect water during filter backwashing unless other means are provided.

(g) "Distribution system, lower" means those devices used in the bottom of a sand type filter to collect the water uniformly during the filtering and to distribute the backwash water uniformly during the backwashing.

(h) "Diving board" means a recreational mechanism for entering a swimming pool, consisting of a semirigid board that derives its elasticity through the use of a fulcrum mounted below the board.

(i) "Diving equipment, competitive" means competitive diving equipment including competitive diving boards and fulcrum setting diving stands intended to provide adjustment for competitive diving.

(j) "Diving equipment, manufactured" means manufactured diving equipment and shall include diving boards, jump boards, spring boards, and starting platforms. Architectural features such as decorative rocks and elevated bond beams are not considered to be manufactured diving equipment. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-6; filed Aug 14, 1989, 9:00 a.m.: 13 IR 40, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 20-1.1-7 Definitions "E"

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 7. "Effective filtration area" means the total surface area through which the design flow rate will be maintained during filtration. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-7; filed Aug 14, 1989, 9:00 a.m.: 13 IR 40, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 20-1.1-8 Definitions "F"

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 8. (a) "Face piping" means the piping, with all valves and fittings, which is used to connect the filter system together as a unit.

(b) "Family pool" means a residential swimming pool.

(c) "Filter" means a device that separates solid particles from water by circulating the water through a porous substance (a filter medium element).

(d) "Filter, permanent medium" means a filter that under normal use will not have to be replaced.

(e) "Filter, diatomaceous earth" means a filter that uses a thin layer of diatomaceous earth as its filter medium that periodically must be replaced.

(f) "Filter, cartridge" means a filter that uses a porous cartridge as its filter medium.

(g) "Filter aid" means a type of finely divided media used to coat a septum type filter, usually diatomaceous earth or volcanic ash. (Note: Alum, as used on the bed of a sand filter, is also referred to as a filter aid.)

(h) "Filter cycle" means the operating time between cleaning or backwash cycles.

(i) "Filter element" means that part of a filter which supports the surface upon which the filter aid is deposited (usually in diatomite filters).

(j) "Filter media" means the finely graded material which entraps suspended particles (sand, anthracite, etc.).

(k) "Filter rate" means the rate of application of water to a filter expressed in gallons per minute per square foot of effective filter area.

(l) "Filter rock" means graded, rounded rock, and/or gravel not subject to degradation by common pool chemical used to support filter media.

(m) "Filter sand" means a specially graded type of permanent filter media.

(n) "Filter septum" means that part of the filter element in a diatomite type filter upon which a cake of diatomite or other nonpermanent filter aid may be deposited.

(o) "Filter waste discharge piping" means piping that conducts waste water from a filter to a drainage system. Connection to drainage system is made through an airgap or other approved method.

(p) "Flow balance valve" means a device to regulate the effluent from the skimmer housing of each of a combination of two (2) or more surface skimmers.

(q) "Floor" means the interior bottom pool surface and consists of that surface from a horizontal plane up to a maximum of a forty-five (45) degree slope.

(r) "Freeboard" means the clear vertical distance in a sand type filter between the top of the filter media and the lowest outlet of the upper distribution system.

(s) "Fresh water" means water having a specific conductivity less than a solution containing six thousand (6,000) parts per million of sodium chloride.

(t) "Friction loss" means the pressure drop expressed in feet (meters) of water or psi (Pascals) caused by liquid flowing through the piping and fittings. *(Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-8; filed Aug 14, 1989, 9:00 a.m.: 13 IR 40, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-1.1-9 Definitions "H"

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 9. (a) "Head loss" means the total pressure drop in pounds per square inch (kilo Pascals) or feet (meters) or head between the inlet and the outlet of a component.

(b) "High rate sand filter" means a sand filter designed for flows in excess of five (5) gallons per minute per square foot.

(c) "Hydrojet booster pump system" means a system whereby one (1) or more hydrojets are activated by the use of a pump which is completely independent of the filtration and heating system of a spa.

(d) "Hydrojets" means a fitting which blends air and water creating a high velocity, turbulent stream of air enriched water. *(Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-9; filed Aug 14, 1989, 9:00 a.m.: 13 IR 41, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-1.1-10 Definitions "I"

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 10. (a) "Indirect waste pipe" means a pipe that does not connect directly with the drainage system but conveys liquid wastes by discharging into a plumbing fixture, interceptor, or receptacle which is directly connected to the drainage system.

(b) "Inlet fitting" means a fitting or fixture through which circulated or hydrojetted water enters a pool, spa, or hot tub. *(Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-10; filed Aug 14, 1989, 9:00 a.m.: 13 IR 41, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-1.1-11 Definitions “J”

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 11. (a) “Jump board” means a recreational mechanism that has a coil spring, leaf spring, or comparable device located beneath the board which is activated by the force exerted in jumping on the board.

(b) “Jtu” means Jackson turbidity units, used to measure water clarity. *(Fire Prevention Building Safety Commission; 675 IAC 20-1.1-11; filed Aug 14, 1989, 9:00 a.m.: 13 IR 41, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-1.1-12 Definitions “L”

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 12. (a) “Ladders” mean the following:

(1) “Deck ladder” means a ladder for deck access from outside the pool.

(2) “In-pool ladder” means a ladder located in a pool to provide ingress and egress from the deck.

(3) “Limited access ladder” means a ladder with provision for making entry inaccessible when a pool is not in use, i.e., swing-up, slide-up, or equivalent.

(4) “Portable ladder” means a ladder that is intended to be removed easily when a pool is not in use.

(b) “Liner” means the membrane that acts as a container for the water, usually categorized as one (1) of the following:

(1) “Expandable liner” means a liner that is constructed of a material that has the capability of stretching into a greater depth of irregular shape other than the original constructed dimensions.

(2) “Hooper liner” means a liner that is used to obtain greater depth by geometrical pattern construction on the liner bottom or floor to fit a predetermined size and shape.

(c) “Listed” means equipment or materials included in a list published by a nationally recognized testing agency as identified in 675 IAC 12-6-11.

(d) “Lower distribution system” (underdrain) means those devices used in the bottom of a permanent medium filter to collect the water during the filtering and to distribute the water during the backwashing. *(Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-12; filed Aug 14, 1989, 9:00 a.m.: 13 IR 42, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-1.1-13 Definitions “M”

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 13. (a) “Main outlet” means the outlet fitting(s) at the bottom of a swimming pool, spa, or hot tub through which passes water to the recirculating pump. This outlet is often erroneously referred to as the “main drain”.

(b) “Make-up water” means fresh water used to fill or refill the pool.

(c) “Multiport valve” means a valve for various filter operations, which combines in one (1) unit the function of two (2) or more single direct flow valves. *(Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-13; filed Aug 14, 1989, 9:00 a.m.: 13 IR 42, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-1.1-14 Definitions “N”

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 14. (a) “Net positive suction head (NPSH)” means the head available at the entrance or eye of an impeller to move and

accelerate the water entering the eye. This head is the gauge pressure at the suction flange of the pump plus the velocity head.

(b) "Nonswimming area" means any portion of a pool where water depth, offset ledges, or similar irregularities would prevent normal swimming activities.

(c) "NPSH, available" means a function of the system in which the pump operates. The available NPSH at the desired rate of flow.

(d) "NPSH, required" means a function of the pump design which varies between different makes, and a valve that must be supplied by the pump manufacturer. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-14; filed Aug 14, 1989, 9:00 a.m.: 13 IR 42, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 20-1.1-15 Definitions "O"

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 15. "Overflow system" means perimeter type overflows, surface skimmers, and surface water collection systems of various design and manufacture. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-15; filed Aug 14, 1989, 9:00 a.m.: 13 IR 42, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 20-1.1-16 Definitions "P"

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 16. (a) "Perimeter overflow system" means a continuous channel formed into the sidewall entirely around the perimeter of the pool, unless interrupted by steps, into which surface pool water is continuously drawn during normal operation to provide a skimming action.

(b) "Pinching hazard" means any configuration of components that would pinch or entrap the fingers or toes of a bather.

(c) "Pool" means swimming pool, as defined in section 18(s) of this rule.

(d) "Pool depth" means the distance between the floor of pool and the waterline.

(e) "Pool plumbing" means all chemical, circulation, filter waste discharge piping, deck drainage, and water filling systems.

(f) "Positive displacement" means the mechanical displacement of a volume of fluid.

(g) "Precipitate" means a solid material which is forced out of a solution by some chemical reaction and which may settle out or remain as a haze in suspension (turbidity).

(h) "Precoat" means the initial coating of filter aid on the septum of a diatomaceous earth filter.

(i) "Pump discharge pressure" means the actual gauge reading measured in pounds per square inch taken at the discharge outlet of a pump.

(j) "Puncture hazard" means any surface or protrusion that would puncture a bather's skin under casual contact. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-16; filed Aug 14, 1989, 9:00 a.m.: 13 IR 43, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 20-1.1-17 Definitions "R"

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 17. (a) "Rapid sand filter" means a filter designed to be used with sand as the filter media and for flows not to exceed five (5) gallons per minute per square foot.

(b) "Rated pressure" means that pressure which is equal to or less than the designed pressure and appears on the data plate of the equipment.

(c) "Receptor" means an approved plumbing fixture or device of such material, shape, and capacity as to adequately receive the discharge from indirect waste piping, so constructed and located as to be readily cleaned.

- (d) "Recessed treads" means a series of vertically spaced cavities in the pool wall creating tread areas for stepholes.
- (e) "Recirculation system" means the interconnected system traversed by the recirculated water from the pool until it is returned to the pool.
- (f) "Removable" means capable of being disassembled with the use of only simple tools such as a screwdriver, pliers, or wrench.
- (g) "Return piping" means that part of the piping between the filter and the pool or spa through which passes the filtered water. (This piping is frequently referred to as effluent.)
- (h) "Rope and float line" (transition rope) means a continuous line not less than one-fourth (1/4) inch in diameter which is supported by buoys and attached to opposite sides of a pool to separate the deep and shallow ends. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-17; filed Aug 14, 1989, 9:00 a.m.: 13 IR 43, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 20-1.1-18 Definitions "S"

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

- Sec. 18. (a) "Saline water" means water having a specific conductivity in excess of a solution containing six thousand (6,000) parts per million of sodium chloride.
- (b) "Separation tank" means a device used to clarify filter rinse or waste water. It is sometimes called a "reclamation tank".
 - (c) "Septum" means that part of the filter element consisting of cloth, wire screen, or other porous material on which the filter cake is deposited.
 - (d) "Shallow areas" means those portions of a pool ranging in water depth from three (3) to five (5) feet.
 - (e) "Skim filter" means a surface skimmer combined with a vacuum filter.
 - (f) "Spa" means any swimming pool of irregular or geometric shell design which incorporates hot water jets, cold water jets, aeration systems, or any combination of the same for hydromassage.
 - (g) "Spa, permanent" means a spa in which the water-heating and water-circulating equipment is not an integral part of the product. Permanent spas may employ separate components such as an individual filter, pump, heater, and controls, or they may employ assembled combinations of various components.
 - (h) "Spa, portable, residential" means a spa in which all control, water-heating, and water-circulating equipment is an integral part of the product. Portable residential spas may be permanently wired or cord-connected. The spa shall be movable and aboveground.
 - (i) "Spa, public" means any spa that is neither for the sole residential use of two (2) or less owner families and their guests nor spas which are operated for medical treatment or physical therapy under medical supervision.
 - (j) "Spray rinse, manual" means a spray system intended to be used manually for the washing of filter aid and/or accumulated dirt from a filter surface either in place or after removal from the filter tank. This is usually accomplished by means of a hose and nozzle.
 - (k) "Spray rinse, mechanical" means a fixed or mechanically movable spray system directing a stream of water against a filter surface causing the filter aid and/or accumulated dirt to dislodge into the empty tank.
 - (l) "Static suction lift" means the vertical distance in feet (meters) from the center line of the pump impeller to the level of water in the pool.
 - (m) "Steps" means a riser tread or series of riser treads extending down from the deck and terminating at the pool bottom.
 - (n) "Steps, recessed" means a step or series of steps that are recessed so that all risers are located outside the pool wall.
 - (o) "Steps, recessed steps, ladders, and recessed treads" means methods of pool ingress and egress that may be used alone or in conjunction with one another.
 - (p) "Strainer" means a device used to remove hair, lint, leaves, or other coarse material on the suction side of a pump.
 - (q) "Suction piping" means that portion of the circulation piping located between the pool structure and the inlet side of the pump and usually includes the following:
 - (1) Main outlet piping.
 - (2) Skimmer piping.
 - (3) Vacuum piping.

(4) Surge tank piping.

(r) "Surface skimmer" means a device designed to continuously remove surface film and water and return it through the filter as part of the recirculation system, usually incorporating a self-adjusting weir, a collection tank, and a means to prevent air lock of the pump. It is sometimes referred to as a "recirculating overflow", a "mechanical", or "automatic skimmer".

(s) "Swimming pool" means any artificial basin of water constructed, modified, or improved for wading, swimming, or diving. This term does not include artificial lakes.

(t) "Swimming pool, in-ground" means any pool whose sides rest in partial or full contact with the earth.

(u) "Swimming pool, nonpermanently installed" means any pool that is so constructed that it may be readily disassembled for storage and reassembled to its original integrity.

(v) "Swimming pool, on-ground" means any pool whose sides rest fully above the surrounding earth.

(w) "Swimming pool, permanently installed" means any pool that is constructed in the ground or in a building in such a manner that the pool cannot be readily disassembled for storage.

(x) "Swimming pool, public" means any pool other than a residential pool which is intended to be used for swimming or bathing and is operated by an owner, lessee, operator, licensee, or concessionaire, regardless of whether a fee is charged for use. Reference within the standards to various types of public pools are defined by the following categories:

(1) Class A—competition pool: Any pool intended for use for competitive aquatic events sanctioned by nationally recognized athletic organizations such as the following:

(A) FINA (Federation International De Natation Amateur).

(B) AAU (Amateur Athletic Union).

(C) NCAA (National Collegiate Athletic Association).

(D) USD (United States Diving, Inc.).

(E) NAIA (National Association of Intercollegiate Athletics).

Such pools may also be used for public recreation.

(2) Class B—public pool: Any pool intended for public recreational use.

(3) Class C—semipublic pool: Any pool operated solely for and in conjunction with lodgings such as hotels, motels, apartments, condominiums, etc.

(4) Class D—special purpose pool: Any pool operated for medical treatment, water therapy, or nonrecreational functions.

(y) "Swimming pool, residential" (family pool) means any constructed pool, permanent or nonportable, which is intended for noncommercial use as a swimming pool by not more than two (2) owner families and their guests.

(z) "Swimming pool, wading" means a pool that may range in water depth from two (2) feet to zero (0) feet for wading. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-18; filed Aug 14, 1989, 9:00 a.m.: 13 IR 43, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 20-1.1-19 Definitions "T"

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 19. (a) "Total discharge head" means the value in feet (meters) of water that a pump will raise water above its center line.

(b) "Total dynamic head" means the arithmetical difference between the total discharge head and total suction head (a vacuum reading is considered as a negative pressure). This value is used to develop the published performance curve.

(c) "Total dynamic suction lift (TDSL)" means the arithmetical total of static suction lift, friction head loss, and velocity head loss working on the suction side of the pump.

(d) "Total suction head" means the value in feet (meters) of water that a pump will lift by suction.

(e) "Toxic" means having an adverse physiological effect on man.

(f) "Trap" means a fitting or device so designed and constructed as to provide, when properly vented, a liquid seal which will prevent the back passage of air without materially affecting the flow of sewage or waste water through it.

(g) "Trimmer valve" means a flow adjusting device which is used to proportion flow over the skimming weir and flow through the main suction line from the main outlet or the vacuum cleaning line.

(h) "Turnover time" means the period of time required to circulate a volume of water equal to the pool capacity. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-19; filed Aug 14, 1989, 9:00 a.m.: 13 IR 45, eff Sep 1, 1989 [IC 4-22-2-*

36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 20-1.1-20 Definitions “U”

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 20. (a) “Underwater light” means a fixture designed to illuminate a pool from beneath the water surface, further defined as:

(1) “wet niche light” means a watertight and water-cooled light unit placed in a submerged, wet niche in the pool wall and accessible only from the pool; or

(2) “dry niche light” means a light unit placed behind a watertight window in the pool wall.

(b) “Upper distribution system” means those devices designed to distribute the water entering a permanent medium filter in a manner so as to prevent movement or migration of the filter medium. This system shall also properly collect water during filter backwashing unless other means are provided. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-20; filed Aug 14, 1989, 9:00 a.m.: 13 IR 45, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*)

675 IAC 20-1.1-21 Definitions “V”

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 21. (a) “Vacuum piping” means the piping from the suction side of a pump connected to a vacuum fitting located at the pool and below the water level to which underwater cleaning equipment may be attached.

(b) “Velocity” means a measurement of the motion of liquids usually expressed in feet per second.

(c) “Vertical” means a line of surface running perpendicular to the plane of the horizon. A truly plumb line. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-21; filed Aug 14, 1989, 9:00 a.m.: 13 IR 45, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*)

675 IAC 20-1.1-22 Definitions “W”

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 22. (a) “Wading area” means the portions of a pool having water depths of two (2) feet and less.

(b) “Walls” means interior pool wall surfaces consisting of surfaces from the vertical to a forty-five (45) degree slope.

(c) “Waste piping” means piping that conveys waste water.

(d) “Waterline” means one (1) of the following:

(1) The waterline for the skimmer system shall fall in the midpoint of the operating range of the skimmers.

(2) The waterline for the overflow system shall be established by the height of the overflow rim.

(e) “Width or length” means the actual water dimension taken from wall to wall at the waterline.

(f) “Winterizing” means the procedure for preparing pools from freezing weather. Includes chemical treatment of the standing water, plus physical and chemical protection of the pool and its equipment against freezing.

(g) “Working pressure” means the maximum operating water pressure recommended by the manufacturer. (*Fire Prevention and Building Safety Commission; 675 IAC 20-1.1-22; filed Aug 14, 1989, 9:00 a.m.: 13 IR 46, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*)

Rule 2. Public Swimming Pools

675 IAC 20-2-1 Content of plans; filing requirements

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 1. (a) Plans and specifications of all public pools shall be submitted pursuant to 675 IAC 12, the general administrative rules, for design release prior to the construction, rehabilitation, or alteration of any public swimming pool.

(b) Such plans and specifications shall contain sufficient information to show that the pool, pool systems, bathhouse, equipment, or improvements thereto will meet the requirements of this code, and shall indicate not less than the following:

- (1) Physical description of the pool including: pool perimeter, area, depths, location of inlets and outlets, waterline, stairs, ladders, diving equipment, and materials of construction.
- (2) Pool volume, turnover, rate of filtration, flow rates, and total dynamic head.
- (3) Source, quality, and characteristics of the make-up water supply.
- (4) Detailed description of filtration, circulation, and chemical feeder equipment.
- (5) Scale, north point, and direction of prevailing wind.
- (6) Occupant load.

(c) This section shall not be considered as a substitute for the requirements of 675 IAC 12, the general administrative rules, on the submission of plans and specifications for pools, their appurtenant equipment, decks, bathhouses, and appliances necessary to maintain the pool in a safe and sanitary condition. (*Fire Prevention and Building Safety Commission; 675 IAC 20-2-1; filed Aug 14, 1989, 9:00 a.m.: 13 IR 46, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 20-2-2 Materials of construction

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 2. Swimming pools and all appurtenances thereto shall be constructed of materials which:

- (1) are nontoxic to man and the environment;
- (2) are impervious and enduring;
- (3) can withstand the design stresses;
- (4) will provide a watertight structure with a smooth and easily cleaned surface without cracks or joints, excluding structural joints; or
- (5) a smooth, easily cleaned surface finish is applied or attached.

(*Fire Prevention and Building Safety Commission; 675 IAC 20-2-2; filed Aug 14, 1989, 9:00 a.m.: 13 IR 46, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 20-2-3 Structural design

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 3. (a) All pools shall be designed and constructed to withstand all anticipated loading for both empty and full conditions, a hydrostatic relief valve shall be provided for all in-ground pools. The design professional as described in 675 IAC 12, the general administrative rules, shall be responsible for the structural stability as described above.

(b) Sand or earth shall not be permitted as an interior finish in a public swimming pool.

(c) In all pools not completely enclosed in a heated building the pool shell and appurtenances, piping, filter system, pump, motor, and other components shall be so designed and constructed to facilitate protection from damage due to freezing.

(d) The surfaces within a swimming pool intended to provide footing for bathers shall be designed to provide a slip-resisting surface. The roughness or irregularity of such surfaces shall not provide an abrasion hazard to the feet during normal use.

(e) The color, pattern, or finish of the pool interior shall not obscure the existence or presence of objects or surfaces within the pool. The floor of all pools shall be white, light colored, or light colored patterns in order to facilitate the identification of any

objects within the pool. (*Fire Prevention and Building Safety Commission; 675 IAC 20-2-3; filed Aug 14, 1989, 9:00 a.m.: 13 IR 47, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 20-2-4 Dimensional design

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 4. (a) No limits are specified for the shape of swimming pools except that consideration shall be given to shape from the standpoint of safety and circulation of the swimming pool water.

(b) There shall be no protrusions, extensions, means of entanglement, or other obstructions in the swimming area which can cause the entrapment or injury of the bather.

(c) There shall be construction tolerances allowed on all dimensional designs. Overall length, width, and depth in the deep end may vary plus or minus three (3) inches. All other overall dimensions may vary plus or minus two (2) inches, unless otherwise specified (such as in a Class A pool). The designed waterline shall have a maximum construction tolerance at the time of completion of the work of plus or minus one-fourth (1/4) inch for pools with adjustable weir surface skimming systems, and of plus or minus one-eighth (1/8) inch for pools with nonadjustable surface skimming systems.

(d) The size of Class A or D pools shall be governed by the requirements of the activities for which the installation is intended. (*Fire Prevention and Building Safety Commission; 675 IAC 20-2-4; filed Aug 14, 1989, 9:00 a.m.: 13 IR 47, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 20-2-5 Floor

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 5. (a) All slopes shall be uniform.

(b) The slope of the floor from the shallow end wall towards the deep end shall not exceed one (1) foot in twelve (12) feet to the point of the first slope change for Class A and B pools or one (1) foot in ten (10) feet for Class C pools.

(c) The point of the first slope change shall be defined as the point at which the floor slope exceeds one (1) foot in twelve (12) feet for Class A and B pools or one (1) foot in ten (10) feet for Class C pools.

(d) The slope of the floor from the point of the first slope change to the deep end shall not exceed one (1) foot in three (3) feet. Such slopes are not intended to provide any less water depth than those specified if the pool is intended for diving.

(e) The transitional radius between the pool wall and floor shall be as follows:

(1) The radius shall have its center no less than two (2) feet nine (9) inches below the waterline in deep areas or two (2) feet six (6) inches in the shallow area.

(2) The radius shall be tangent to the wall.

(3) The radius shall be at least equal to, or greater than, the depth of the pool minus the vertical wall depth measured at the waterline minus three (3) inches to allow draining to the main outlet.

(*Fire Prevention and Building Safety Commission; 675 IAC 20-2-5; filed Aug 14, 1989, 9:00 a.m.: 13 IR 47, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 20-2-6 Walls

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 6. (a) Walls in Class B and C pools shall be vertical or within eleven (11) degrees of vertical for a minimum distance of two (2) feet nine (9) inches from the waterline in deep areas or two (2) feet three (3) inches in shallow areas and curved to join the floor.

(b) Walls in Class A pools where racing lanes terminate shall be vertical with a construction tolerance of one (1) degree. *(Fire Prevention and Building Safety Commission; 675 IAC 20-2-6; filed Aug 14, 1989, 9:00 a.m.: 13 IR 48, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-2-7 Depths

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 7. (a) Class A pools intended for competitive diving and swimming shall not be required to comply with the water depth requirements of this code.

(b) Class B and C swimming pools shall have a minimum depth of water in the shallow end of the main swimming area of three (3) feet. Advisory note: Three (3) feet six (6) inches is the minimum recommended depth for racing lanes. Exception: Recessed areas of an irregularly shaped pool.

(c) The beginners' area of a Class B pool shall be visually set apart from, but may be adjoined to, the shallow area and shall not adjoin the deep area. The wading area of a Class B pool shall be visually set apart from, but may be adjoined to, the beginners' area and shall be physically separated from shallow and deep areas of the pool.

(d) The transition point between the wading area and beginners' area of a Class B pool shall be visually set apart with depth numbers, a four (4) inch width row of floor tile, painted line, or similar means of a color contrasting with the bottom. The transition point of the pool from the beginners' area shall be visually set apart with a transition line, depth numbers, and a four (4) inch minimum width row of floor tile, painted line, or similar means of a color contrasting with the bottom. In all pools with diving equipment the shallow area shall be visually set apart from the deep area with a transition line, depth numbers, and a four (4) inch color contrasting with the bottom. Exception: Pools designed and constructed for the sole purpose of diving.

(e) Class B and C pools intended for diving shall meet or exceed the dimensional requirements called for by section 15 of this rule, Figure No. 2-1. Point A is a base reference point for pools designed for diving and shall be the horizontal location of the tip of the diving equipment.

(f) Public pools with diving facilities in excess of three (3) meters in height or pools designed for platform diving shall meet or exceed the dimensional requirements called for by section 16 of this rule, Figure No. 2-2. *(Fire Prevention and Building Safety Commission; 675 IAC 20-2-7; filed Aug 14, 1989, 9:00 a.m.: 13 IR 48, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-2-8 Diving equipment

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 8. (a) When diving equipment is installed, it shall be so located in the diving area of the pool so as to provide not less than the minimum dimensions shown in section 15 of this rule, Figure No. 2-1.

(b) There shall be a completely unobstructed clear vertical distance of not less than fifteen (15) feet above any diving board measured from the center of the front end of the board. This area shall extend horizontally at least eight (8) feet behind, eight (8) feet to each side, and sixteen (16) feet ahead of point "A", as shown in section 15 of this rule, Figure No. 2-1.

(c) Supports, platforms, stairs, and ladders for diving equipment shall be of substantial construction and of sufficient structural strength to safely carry the anticipated loads. Stairs and ladders shall be of corrosion-resisting material easily cleanable and with tread of slip-resisting design. All diving stands higher than twenty-one (21) inches measured from the deck to the top butt end of the board shall be provided with stairs and/or a ladder.

(d) Platforms and diving equipment which are one (1) meter or higher shall be protected with guard rails. One (1) meter diving equipment guard rails shall be at least thirty (30) inches above the diving board and extend to the edge of the pool wall. All platform or diving equipment higher than one (1) meter shall have guard rails which are at least thirty-six (36) inches above the diving board and extend to the edge of the pool wall.

(e) A label shall be permanently affixed to the diving or jump board and shall include the following:

(1) Manufacturer's name and address.

- (2) Board length.
- (3) Identification as to diving or jump board.
- (4) Fulcrum setting specifications (if applicable).
- (5) Date of manufacture.
- (6) Reference to the manufacturer's safety standard (if any) that the board will meet.

(f) Diving equipment suitable for installation on a lower pool type may be installed on any higher pool type, providing no less a water envelope is provided from the tip of the board than called for in the lower pool type as described in section 15 of this rule, Figure No. 2-1. Diving equipment of a greater type shall not be installed on a pool of lesser type. Should diving equipment be installed at any greater heights than specified for the lower pool type, then the board shall be installed so that the location of the tip of the board falls within the limitations specified for the higher pool type.

- (g) Diving equipment shall have slip-resisting tread surfaces.
- (h) Diving equipment shall be permanently anchored to the deck.

(i) Maximum board height over the water shall have plus three (3) inches tolerance to allow for construction variances on Class B and C pools.

(j) The maximum horizontal construction tolerance of the tip of the board from point "A" in section 15 of this rule, Figure No. 2-1, shall be plus or minus three (3) inches on Class B and C pools. *(Fire Prevention and Building Safety Commission; 675 IAC 20-2-8; filed Aug 14, 1989, 9:00 a.m.: 13 IR 48, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-2-9 Swimming pool slides

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 9. Slides, where provided for use with swimming pools, shall have a permanent label or separate certificate indicating conformance with the rules of the Consumer Product Safety Commission issued as 16 C.F.R. Ch. II, Part 1207. *(Fire Prevention and Building Safety Commission; 675 IAC 20-2-9; filed Aug 14, 1989, 9:00 a.m.: 13 IR 49, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-2-10 Offset ledges and underwater seat benches

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 10. (a) Offset ledges, when provided, shall fall within eleven (11) degrees from vertical starting at the junction of the pool wall and waterline and shall have a slip-resisting surface.

(b) Underwater seat benches, when provided, shall have a maximum depth of twenty (20) inches below the waterline at the horizontal seat, be visually set apart, have a slip-resisting surface, and shall be located fully outside of the required minimum diving water envelope if the pool is intended for use with diving equipment.

(c) Underwater seat benches shall be permitted in the deep end of the pool only if they are completely recessed, shaped to be compatible with the shape of the pool wall, or in a corner of the pool. *(Fire Prevention and Building Safety Commission; 675 IAC 20-2-10; filed Aug 14, 1989, 9:00 a.m.: 13 IR 49, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-2-11 Maximum bather load

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 11. The maximum bather load at Class B or C pools shall be in accordance with the following table:

FIRE PREVENTION AND BUILDING SAFETY COMMISSION

	Shallow, Beginners' or Wading Areas	Deep Areas (not including diving areas)	Diving Areas (per board)
Pools with minimum deck areas	15 square feet per bather	20 square feet per bather	300 square feet per bather
Pools with deck area at least equal to the surface area of the pool	12 square feet per bather	15 square feet per bather	same as above
Pools with deck area at least twice the surface area of the pool	8 square feet per bather	10 square feet per bather	same as above

(Fire Prevention and Building Safety Commission; 675 IAC 20-2-11; filed Aug 14, 1989, 9:00 a.m.: 13 IR 49, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 20-2-12 Wading pools and areas

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 12. (a) Separate wading pools shall be physically set apart from beginners' or shallow areas of swimming pools by at least six (6) feet of deck at Class B pools or four (4) feet of deck at Class C pools. Where a wading pool is adjacent to any deep water area, a barrier not less than four (4) feet high shall be installed separating the two (2) pools or pool areas.

(b) Wading pools and areas shall have a maximum water depth of twenty-four (24) inches. The water depth at the perimeter shall not exceed eighteen (18) inches. The minimum depth of wading pools or areas shall be zero (0). Exception: Zero (0) depth pools.

(c) Walls in wading pools and areas shall be vertical or within eleven (11) degrees of vertical except for the lower six (6) inches which shall be curved to the floor. Walls shall not extend more than six (6) inches above the waterline at any point.

(d) Floors of wading pools and areas shall be uniform sloped to drain to the main outlet with a maximum slope of one (1) foot in twelve (12) feet. *(Fire Prevention and Building Safety Commission; 675 IAC 20-2-12; filed Aug 14, 1989, 9:00 a.m.: 13 IR 50, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-2-13 Decks and deck equipment

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 13. (a) Deck work shall be designed and installed so as to include the quality of subbase, concrete mix design, reinforcing, joints, and finishes. Work performed in accordance with the American Concrete Institute (ACI) Standard 302.1R-80, "Guide for Concrete Floor and Slab Construction" may be deemed acceptable.

(b) Decks, ramps, and similar surfaces including step treads and coping shall be slip-resisting. The roughness or irregularity of such surfaces shall not cause injury or provide an abrasion during normal use. Depth markers, pool brand insignias, or similar special features located in or on the deck shall conform to this section.

(c) Steps for the deck outside the perimeter shall be in accordance with 675 IAC 13, the Indiana Building Code.

(d) The minimum continuous, unobstructed deck width, including the coping, shall not be less than the following:

(1) Class A pools shall be allowed to comply with the deck width requirements of a nationally recognized athletic sanctioning agency, e.g., NCAA, AAU, or FINA, in lieu of other requirements found in this code.

(2) Class B pool: six (6) feet minimum.

(3) Class C pool: four (4) feet minimum.

(4) Class D pool: three (3) feet minimum where provided.

(5) A minimum of four (4) feet walk width shall be provided on the sides and rear of any diving equipment. A deck clearance of twenty-four (24) inches shall be provided around any other deck equipment that is thirty-six (36) inches or less in height

above the deck and a thirty-six (36) inch deck clearance around all other deck equipment.

(e) The maximum slope of decks shall be one-half (1/2) inch per foot with a minimum slope of one-fourth (1/4) inch per foot.

Exception: Access ramps, where the maximum slope shall be one (1) inch per foot.

(f) The maximum width of voids between adjoining concrete slabs and/or between concrete slabs and expansion joint material shall be three-sixteenths (3/16) inch of horizontal clearance with a maximum difference in vertical elevation of one-fourth (1/4) inch.

(g) Joints, where the pool coping meets the concrete decks, shall be watertight. Where deck work joins the pool coping, the joining areas shall be designed and installed so as to adequately protect the pool and its mortar bed from damage.

(h) Decks shall be edged, provided with a radius, or otherwise relieved so as to prevent exposed sharp corners.

(i) Decks shall be sloped to effectively drain either to perimeter areas or to deck drains. Drainage shall remove pool splash water, deck cleaning water, and rainwater. Site drainage shall be provided away from all decks so as to direct all perimeter deck drainage as well as general site drainage away from decks. Deck draining systems, when used, shall not drain more than four hundred (400) square feet to a single drain or twenty-five (25) feet of deck perpendicular to a continuous drain.

(j) Open pits (leeching design) for backwash sump purposes shall be located so that it falls completely below adjacent deck work and fully outside a line projected forty-five (45) degrees downward and away from such deck work.

(k) Circulation system piping, other than that integrally included in the manufacture of the pool, shall be subject to an induced static hydraulic pressure test (sealed system) at twenty-five (25) pounds per square inch for thirty (30) minutes. This test shall be performed before the deck is poured, and the pressure shall be maintained through the deck pour.

(l) Recirculation line valves installed in or under any deck(s) shall provide a minimum ten (10) inches diameter access cover and valve pit. Other valves shall not be installed in or under decks.

(m) Hose bibbs with vacuum breakers shall be provided in numbers and locations sufficient for washing down the entire deck area. *(Fire Prevention and Building Safety Commission; 675 IAC 20-2-13; filed Aug 14, 1989, 9:00 a.m.: 13 IR 50, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-2-14 Means of entry and exit

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 14. (a) All public pools shall have not less than two (2) means of entry and exit located so as to serve both ends of the pool. Pools or water areas over thirty (30) feet in width shall have not less than one (1) means of entry and exit on each side. Not less than one (1) means of entry and exit shall be provided for each seventy-five (75) linear feet, or fraction thereof, of pool perimeter.

(b) A means of entry/exit for the shallow end shall be located between the shallow end wall and the cross section at point "D" in section 15 of this rule, Figure No. 2-1, while a means of entry/exit for the deep end shall be between the deep end wall and the cross section at point "B" in section 15 of this rule, Figure No. 2-1.

(c) Where water depths are twenty-four (24) inches or less at the pool wall, such areas shall be considered as providing their own natural means of entry/exit.

(d) Stairs, ladders, ramps, and recessed treads shall be located so as not to interfere with racing lanes if applicable.

(e) The design and construction of protruding and recessed pool stairs and ramps shall conform to the following:

(1) Stair treads shall have a minimum unobstructed horizontal tread depth of ten (10) inches and a minimum unobstructed surface area of two hundred forty (240) square inches.

(2) Risers at the center line of the treads shall have a maximum uniform height of twelve (12) inches with the bottom riser height allowed to vary plus or minus two (2) inches from the uniform riser height.

(3) Each set of stairs or each ramp shall be provided with at least one (1) handrail to fully serve all treads and risers. Handrails shall conform to the following:

(A) Handrails, if removable, shall be installed in such a way that they cannot be removed without the use of tools.

(B) The leading edge of handrails facilitating steps and pool exit must be located within eighteen (18) inches, plus or minus three (3) inches, horizontally measured from the vertical plane of the bottom riser.

(C) The outside diameter of handrails shall be between one and one-fourth (1 1/4) inches and two (2) inches.

(4) Ramps, when provided, shall be not less than three (3) feet wide nor have a slope greater than one (1) vertical to ten (10) horizontal.

(f) Underwater seats or benches may be provided as part of stairs or recessed treads.

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(g) Stairs, ladders, or handrails shall not protrude into the minimum water dimensions shown in section 15 of this rule, Figure No. 2-1.

(h) Stairs or ramps which protrude into a pool shall be visually set apart such that a bather on the deck or in the water can clearly discriminate the stair or ramp from the unobstructed pool.

(i) The design and construction of pool ladders shall conform to the following:

- (1) Pool ladders shall be made entirely of corrosion-resisting materials.
- (2) Ladders must provide not less than two (2) grabrails or two (2) handrails.
- (3) Below the water level there shall be a clearance of not more than six (6) inches nor less than three (3) inches between any ladder tread edge measured from the pool wall side of the tread and the pool wall.
- (4) The minimum distance between ladder handrails shall be seventeen (17) inches with a maximum distance of twenty-four (24) inches.
- (5) There shall be a uniform height between individual ladder treads with a seven (7) inch minimum distance and a twelve (12) inch maximum distance between ladder treads.
- (6) Ladder treads shall have a minimum tread depth of one and one-half (1 1/2) inches.
- (7) The outside diameter of grabrails or handrails shall be between one and one-fourth (1 1/4) inches and two (2) inches.

(j) The design and construction of recessed treads in the pool wall shall conform to the following:

- (1) Recessed treads at the center line shall have uniform vertical spacing of twelve (12) inches maximum and seven (7) inches minimum.
- (2) Maximum vertical distance between the pool coping edge, deck, or stair surface, which shall be slip-resisting, and the uppermost recessed tread shall be twelve (12) inches.
- (3) Recessed treads shall have a minimum tread depth of five (5) inches and a minimum width of twelve (12) inches.
- (4) Recessed treads shall drain into the pool to prevent the accumulation of dirt thereon.
- (5) Each set of recessed treads shall be provided with handrails or grabrails to fully serve all treads.
- (6) The outside diameter of grabrails or handrails shall be between one and one-fourth (1 1/4) inches and two (2) inches.

(Fire Prevention and Building Safety Commission; 675 IAC 20-2-14; filed Aug 14, 1989, 9:00 a.m.: 13 IR 51, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

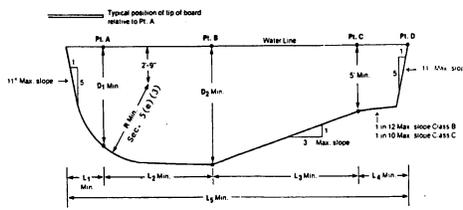
675 IAC 20-2-15 Figure No. 2-1

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 15.

MINIMUM DIMENSIONS FOR DIVING PORTION OF CLASS B AND C POOLS
(This drawing does not show the shallow portion of the pool.)



NOTE: L4 is a minimum dimension to allow sufficient length opposite the board. This must be lengthened to form the shallow portion of the pool

POOL TYPE	RELATED DIVING EQUIPMENT		MINIMUM DIMENSIONS								MINIMUM WIDTH OF POOL AT:		
	Max. Diving Board Length	Max. Board Hgt. Over Water	D ₁	D ₂	R	L ₁	L ₂	L ₃	L ₄	L ₅	PT. A	PT. B	PT. C
VI	10'	26" (2/3 meter)	(2.13m) 7'-0"	(2.59m) 8'-6"	(1.68m) 5'-6"	(.76m) 2'-6"	(2.44m) 8'-0"	(3.20m) 10'-6"	(2.13m) 7'-0"	(8.53m) 28'-0"	(4.88m) 16'-0"	(5.49m) 18'-0"	(5.49m) 18'-0"

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VII	12'	30" (¾ meter)	(2.29m) 7'-6"	(2.74m) 9'-0"	(1.83m) 6'-0"	(.91m) 3'-0"	(2.74m) 9'-0"	(3.16m) 12'-0"	(1.22m) 4'-0"	(8.53m) 28'-0"	(5.49m) 19'-0"	(6.10m) 20'-0"	(6.10m) 20'-0"
VIII	16'	1 Meter	(2.59m) 8'-6"	(3.05m) 10'-0"	(2.13m) 7'-0"	(1.22m) 4'-0"	(3.05m) 10'-0"	(4.57m) 15'-0"	(.61m) 2'-0"	(9.45m) 31'-0"	(6.10m) 20'-0"	(6.71m) 22'-0"	(6.71m) 22'-0"
IX	16'	3 Meter	(3.35m) 11'-0"	(3.66m) 12'-0"	(2.59m) 8'-6"	(1.83m) 6'-0"	(3.20m) 10'-6"	(6.40m) 21'-0"	0	(11.43m) 37'-6"	(6.70m) 22'-0"	(7.32m) 24'-0"	(7.32m) 24'-0"

L₂, L₃ and L₄ combined represent the minimum distance from the tip of board to pool wall opposite diving equipment.

*NOTE: Placement of boards shall observe the following minimum dimensions. With multiple board installations minimum pool widths must be increased accordingly.

1 Meter or Deck Level Board to Pool Side	9' (2.74m)
3 Meter Board to Pool Side	11' (3.35m)
1 Meter or Deck Level Board to 3 Meter Board	10' (3.05m)
1 Meter or Deck Level to another 1 Meter or Deck Level Board	8' (2.44m)
3 Meter to another 3 Meter Board	10' (3.05m)

For pool Types O through V, see 675 IAC 20-4-9. (*Fire Prevention and Building Safety Commission; 675 IAC 20-2-15; filed Aug 14, 1989, 9:00 a.m.: 13 IR 53, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 20-2-16 Figure No. 2-2

Authority: IC 22-13-2-2

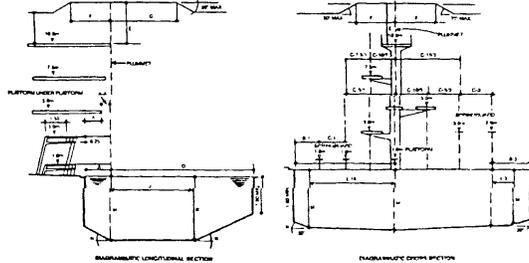
Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 16. Minimum dimensions for Class A diving pools.

FINA Dimensions for Diving Facilities		Dimensions are in Metres	SPRINGBOARD				PLATFORM									
			1 Metres		3 Metres		1 Metre		3 Metres		5 Metres		7.5 Metres		10 Metres	
			Length	Width	Height											
A	From plummet BACK TO POOL WALL	Designation	A-1		A-3		A-1p1		A-3p1		A-5		A-7.5		A-10	
		Minimum	1.80		1.80		0.75		1.25		1.25		1.50		1.50	
A A	From plummet BACK TO PLATFORM plummet directly below	Designation									AA 5/1		AA 7.5/3/1		AA 10/5/3/1	
		Minimum									1.50		1.50		1.50	
B	From plummet to POOL WALL AT SIDE	Designation	B-1		B-3		B-1p1		B-3p1		B-5		B-7.5		B-10	
		Minimum	2.50		3.50		2.30		2.90		4.25		4.50		5.25	
C	From plummet to ADJACENT PLUMMET	Designation	C-1/1		C-3/3/1		C-1/1p1		C-3/1 1/3p1		C-5/3/1		C-7.5/5-3-1		C-10/7.5/5-3-1	
		Minimum	2.40		2.60		1.65		2.10		2.50		2.50		2.75	
D	From plummet to POOL WALL AHEAD	Designation	D-1		D-3		D-1p1		D-3p1		D-5		D-7.5		D-10	
		Minimum	9.00		10.25		8.00		9.50		10.25		11.00		13.50	
E	On plummet from BOARD TO CEILING	Designation		E-1		E-3		E-1p1		E-3p1		E-5		E-7.5		E-10
		Minimum		5.00		5.00		3.50		3.50		3.50		3.50		5.00
F	CLEAR OVERHEAD behind and each side of plummet	Designation	F-1	E-1	F-3	E-3	F-1p1	E-1p1	F-3p1	E-3p1	F-5	E-5	F-7.5	E-7.5	F-10	E-10
		Minimum	2.50	5.00	2.50	5.00	2.75	3.50	2.75	3.50	2.75	3.50	2.75	3.50	2.75	5.00
G	CLEAR OVERHEAD ahead of plummet	Designation	G-1	E-1	G-3	E-3	G-1p1	E-1p1	G-3p1	E-3p1	G-5	E-5	G-7.5	E-7.5	G-10	E-10
		Minimum	5.00	5.00	5.00	5.00	5.00	3.50	5.00	3.50	5.00	3.50	5.00	3.50	6.00	5.00
H	DEPTH OF WATER at plummet	Designation		H-1		H-3		H-1p1		H-3p1		H-5		H-7.5		H-10
		Minimum		3.50		3.80		3.30		3.60		4.00		4.50		5.00

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J K	DISTANCE AND DEPTH ahead of plummet	Designation	J-1	K-1	J-3	K-3	J-1p1	K-1p1	J-3p1	K-3p1	J-5	K-5	J-7.5	K-7.5	J-10	K-10
		Minimum	5.00	3.40	6.00	3.70	5.00	3.20	6.00	3.50	6.00	3.90	8.00	4.40	11.00	4.75
L M	DISTANCE AND DEPTH each side of plummet	Designation	L-1	M-1	L-3	M-3	L-1p1	M-1p1	L-3p1	M-3p1	L-5	M-5	L-7.5	M-7.5	L-10	M-10
		Minimum	1.50	3.40	2.00	3.70	1.40	3.20	1.80	3.50	4.25	3.90	4.50	4.40	5.25	4.75
N	MAXIMUM SLOPE TO REDUCE DIMENSIONS beyond full requirements	Pool Depth Ceiling Ht	30 degrees 30 degrees		NOTE: Dimensions C (plummet to adjacent plummet) apply for Platforms with widths as detailed. For wider Platform increase C by half the additional width(s)											



(Fire Prevention and Building Safety Commission; 675 IAC 20-2-16; filed Aug 14, 1989, 9:00 a.m.: 13 IR 54, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Aug 11, 1990, 5:00 p.m.: 13 IR 2140; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 20-2-17 Circulation systems

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 17. (a) A circulation system consisting of pumps, piping, overflows, skimmers, filters, and other necessary equipment shall be provided for complete and continuous circulation of water through all parts of the pool.

(b) The circulation system shall be of adequate size to produce not less than the following turnover times:

- (1) Class A, B, and C diving pools: twelve (12) hours.
- (2) Class A, B, and C pools without wading areas: six (6) hours.
- (3) Class B and C pools with wading areas: two (2) hours.
- (4) Class B and C wading pools: one (1) hour.
- (5) Class B and C "wave pools" and "zero (0) depth pools": two (2) hours.

(c) Circulation components which may require replacement or servicing shall be accessible and available for inspection, repair, or replacement and installed according to manufacturer's instructions.

(d) Materials and equipment used in the circulation system shall be of an "approved" type.

(e) The water velocity in the pool piping shall not exceed ten (10) feet per second for discharge piping and six (6) feet per second for suction piping, unless summary calculations are provided to show that the greater flow is possible with the pump and piping provided. Pool piping shall be sized to permit the rated flows for filtering and cleaning without exceeding the maximum head at which the pump will provide such flows or exceeding the velocities stated. Exception: The water velocity in copper pipe shall not exceed eight (8) feet per second.

(f) The circulation piping and fittings shall be nontoxic and capable of withstanding operating pressures and conditions.

(g) Pool piping shall have a uniform slope in one (1) direction equipped with valves for adequate drainage. Pool piping shall be supported at sufficient intervals to prevent entrapment of air, water, or dirt. Provision shall be made for expansion or contraction of pipes.

(h) Equipment shall be designed and fabricated to drain the pool water from the equipment, together with exposed face piping, by removal of drain plugs and manipulating winter drain valves.

(i) A pressure or vacuum gauge or other means of indicating system condition shall be provided in the circulation system in an accessible location. Class A, B, and C pools shall be provided with an indicator measuring the rate of flow through the filter system with an appropriate range readable in gallons per minute and accurate within ten percent (10%) actual flow.

(j) When time clocks are used to regulate the operation of circulation systems, they shall be set to regulate all circulation

equipment and appurtenant devices.

(k) Operation and maintenance instructions shall be provided for circulation system components. (*Fire Prevention and Building Safety Commission; 675 IAC 20-2-17; filed Aug 14, 1989, 9:00 a.m.: 13 IR 55, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Aug 11, 1990, 5:00 p.m.: 13 IR 2140; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 20-2-18 Filters

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 18. (a) Filters shall be designed and constructed so that after cleaning per manufacturer's instructions the system can provide the water clarity such that a six (6) inch black disc, placed upon a white background, is clearly visible at the deepest point of the pool when viewed from the edge of the pool.

(b) Filters shall be designed so that filtration surfaces can be inspected and serviced.

(c) On pressure-type filters, a means shall be provided to permit the release of air which enters the filter tank. Any filter incorporating an automatic internal air release as its principal means of air release must have lids which provide a slow and safe release of pressure as a part of its design. Any separation tank used in conjunction with any filter tank must have a manual means of air release or lid which provides a slow and safe release of pressure as they are opened as a part of its design.

(d) Pressure filters and separation tanks shall have operation and maintenance instructions permanently installed on the filter or separation tank and shall include a precautionary statement warning not to start up the system after maintenance without first opening the air release and proper reassembly of the filter and separation tank. The statement must be visible and noticeable within the area of the air release.

(e) Piping furnished with the filter shall be of suitable material capable of withstanding one and one-half (1 1/2) times the working pressure.

(f) Filter components which require servicing shall be accessible for inspection and repair when installed according to the manufacturer's instructions.

(g) The rate of filtration shall not exceed three (3) gallons per minute per square foot of filter surface unless the filtration system is specifically listed and labeled for use above said rate. (*Fire Prevention and Building Safety Commission; 675 IAC 20-2-18; filed Aug 14, 1989, 9:00 a.m.: 13 IR 55, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 20-2-19 Pumps

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 19. (a) A pump and motor shall be provided for circulation of the pool water. Performance of all pumps shall meet or exceed the conditions of flow required for filtering and cleaning (if applicable) the filters against the total dynamic head developed by the complete system.

(b) Water entering the pump(s) shall pass through the removable strainer.

(c) Pumps shall be selected to perform the functions for which they were intended. Pumps and motors must be accessible for inspection and service.

(d) All motors shall have as a minimum an open, drip-proof enclosure and be constructed electrically and mechanically so they will perform satisfactorily under the conditions of load and environment normally encountered in swimming pool installations.

(e) Motors shall be capable of operating the pump under full load with a voltage variation of at least five percent (5%) from name plate rating. If the maximum service factor of the motor is exceeded (at full voltage), the manufacturer shall indicate this on the pump curve.

(f) All motors shall have thermal or current overload protection, either built in or in the line starter, to provide locked rotor and running protection.

(g) The motor frame shall contain adequate provisions for proper grounding. When a pump is installed below the waterline of a pool, valves shall be installed on permanently connected suction and discharge lines, located in a place outside the walls of the

pool, where they will be readily accessible for maintenance and removal of the pump.

(h) Pressure and vacuum gauges shall be installed on all Class A and B pools and:

(1) the vacuum gauge shall be installed as close to the pump suction inlet as possible and still maintain an accurate reading; and

(2) the pressure gauge shall be installed on the face piping ahead of the filter or on the top of the filter in the area of greatest filter pressure.

(i) Where a mechanical pump seal is provided, components of the seal must be corrosion-resisting and capable of operating under conditions normally encountered in swimming pool operation. *(Fire Prevention and Building Safety Commission; 675 IAC 20-2-19; filed Aug 14, 1989, 9:00 a.m.: 13 IR 56, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Aug 11, 1990, 5:00 p.m.: 13 IR 2140; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-2-20 Inlets and outlets

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 20. (a) Pool inlets and outlets for circulated water shall be located to produce uniform circulation of water and to facilitate the maintenance of a uniform disinfectant residual throughout the entire pool. Where skimmers are used, the inlets shall be located so as to help bring floating particles within range of the skimmers.

(b) The minimum number of inlets required shall be based on two (2) inlets per six hundred (600) square feet of pool surface area or fraction thereof.

(c) Inlets shall be sufficient in number such that the flow through any single inlet shall not exceed forty (40) gallons per minute.

(d) Wall inlets shall be located not less than twelve (12) inches below the waterline.

(e) Pools with a width over thirty (30) feet shall have bottom inlets.

(f) Inlets shall be designed and installed so as not to provide a hazard to bathers.

(g) Outlet drain covers and grates shall be installed in such a way that they cannot be removed without the use of tools.

(h) All pools shall be provided with a main outlet in the lowest point of the pool floor. The spacing of the main outlets for pool pump suction shall not be greater than twenty (20) feet on centers nor more than fifteen (15) feet from each side wall.

(i) The main outlet sumps shall be covered with suitable protective covers or grates. The total velocity through grate openings shall not exceed one (1) foot per second. The grate opening shall not exceed one-half (1/2) inch. Where only one (1) main drain is provided, it shall be of the antivortex design, and velocity shall not exceed six (6) feet per second.

(j) The piping shall be designed to carry one hundred percent (100%) of the recirculation rate and shall be equipped with a valve. *(Fire Prevention and Building Safety Commission; 675 IAC 20-2-20; filed Aug 14, 1989, 9:00 a.m.: 13 IR 56, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-2-21 Surface skimmer systems

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 21. (a) A surface skimming system shall be provided on all public swimming pools and shall be designed and constructed to skim the pool surface when the water level is maintained within the operational parameters of the system's rim or weir device.

(b) When perimeter-type surface skimming systems are provided they shall meet the following:

(1) Overflow gutters shall extend completely around the pool perimeter with the exception of the following:

(A) Where the gutters would interfere with a means of entry and exit.

(B) "Wave pools" and "zero (0) depth pools".

(2) Overflow gutters shall be capable of continuously removing not less than one hundred percent (100%) of the recirculated water or one (1) gallon per minute per lineal foot of pool perimeter, whichever is greater.

(3) The opening into the gutter beneath the coping shall not be less than four (4) inches, and the interior of the gutter shall not be less than three (3) inches in width or depth.

(4) The overflow edge (lip) shall be rounded and no thicker than two and one-half (2 1/2) inches for the top two (2) inches.

(5) Overflow outlets shall be not less than two (2) inches in diameter and shall be sufficiently spaced so as to maintain the gutters in a self-cleaning and effective state without discharging back into the pool.

(c) Skimmers shall not be installed in pools over thirty (30) feet in width and when installed in pools under thirty (30) feet wide they shall meet the following:

(1) Only be installed where an approved handhold is provided around the perimeter of the pool.

(2) One (1) skimmer shall be provided for every five hundred (500) square feet of pool surface area, or fraction thereof.

(3) Skimming devices shall be installed in the pool wall and shall develop sufficient velocity on the water surface to induce floating oils and wastes into the skimmer(s) from the entire pool area.

(4) The skimmer weir(s) shall be automatically adjustable and shall operate freely with continuous action to variations in water level over a range of at least four (4) inches and shall operate at all flow variations.

(5) No equalizer shall be used nor shall the main outlet be connected to the recirculation system through a skimmer.

(6) The skimmer shall be of sturdy, corrosion-resistant materials with an easily removable and cleanable basket or screen through which all overflow water must pass.

(Fire Prevention and Building Safety Commission; 675 IAC 20-2-21; filed Aug 14, 1989, 9:00 a.m.: 13 IR 57, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 20-2-22 Electrical, lighting, and mechanical

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 22. (a) The requirements of 675 IAC 17, the Indiana Electrical Code, shall be followed for the wiring, grounding, bonding, and installation of electrical equipment and metallic appurtenances to the pool.

(b) Artificial lighting shall be provided for all pools to be used indoors or pools used during periods of darkness. Such lighting shall be sufficient to make a six (6) inch black disc, placed on a white background clearly visible from the side of the pool when that disc is placed on the floor of the pool.

(c) Mechanical equipment shall be designed and installed in accordance with the requirements of 675 IAC 18, the Indiana Mechanical Code. *(Fire Prevention and Building Safety Commission; 675 IAC 20-2-22; filed Aug 14, 1989, 9:00 a.m.: 13 IR 57, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Aug 11, 1990, 5:00 p.m.: 13 IR 2140; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-2-23 Waste water disposal

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 23. Waste water shall be discharged to a point in accordance with 327 IAC, the rules of the water pollution control board, through an approved airgap or other means in accordance with 675 IAC 16, the Indiana Plumbing Code. *(Fire Prevention and Building Safety Commission; 675 IAC 20-2-23; filed Aug 14, 1989, 9:00 a.m.: 13 IR 58, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-2-24 Disinfectant equipment and chemical feeders

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 24. Disinfectant equipment and chemical feeders shall be capable of automatically providing a continuous residual chemical effect in accordance with 410 IAC, the rules of the Indiana state board of health. All such equipment shall be of an approved type and shall be installed downstream from the pump and wired so they will not operate unless the filter pump is operating. Exception: Erosion-type chlorinators may feed their solution to the suction side of the pump. *(Fire Prevention and Building Safety Commission; 675 IAC 20-2-24; filed Aug 14, 1989, 9:00 a.m.: 13 IR 58, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness*

of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Aug 11, 1990, 5:00 p.m.: 13 IR 2140; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 20-2-25 Water supply

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 25. (a) The water supply serving the pool shall meet 327 IAC, the rules of the water pollution control board, before any bather uses the pool.

(b) No direct mechanical connection shall be made between the potable water supply and the pool, disinfectant equipment, chemical feeders, or system piping for the pool unless it is protected against backflow and siphonage in a manner acceptable under 675 IAC 16, the Indiana Plumbing Code, or through an approved airgap meeting that same code.

(c) An over-the-rim spout, if used, shall be under a diving or jump board, diving platform, adjacent to a ladder, or otherwise shielded so as not to create a hazard. Its open end shall have no sharp edges and shall not protrude more than two (2) inches beyond the edge of the pool. *(Fire Prevention and Building Safety Commission; 675 IAC 20-2-25; filed Aug 14, 1989, 9:00 a.m.: 13 IR 58, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-2-26 Safety requirements

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 26. (a) Pools shall be provided with a suitable handhold around their perimeter in areas where depths exceed three (3) feet six (6) inches. Handholds shall be provided no farther apart than four (4) feet and may consist of any one (1) or a combination of the following:

(1) Coping, ledge, or deck along the immediate top edge of a pool that provides a slip-resisting surface of at least a four (4) inch minimum horizontal width located not over twelve (12) inches above the waterline.

(2) Ladders, stairs, or seat ledges.

(3) A railing fastened to the wall placed not over twelve (12) inches above the waterline.

(b) A transition line shall be provided between one (1) foot and two (2) feet on the shallow side of the break in grade between the shallow and deep portions of the swimming pools, with its position marked with visible floats at not greater than seven (7) feet intervals. This transition line shall be securely fastened to wall anchors of corrosion-resisting materials and of the type which shall be recessed.

(c) Depth of water in feet shall be plainly and conspicuously marked at or above the water surface on the vertical pool wall and on the top of coping or edge of the deck or walk next to the pool as follows:

(1) Depth markers on the deck shall be within eighteen (18) inches of the water edge and positioned to be read while standing on the deck facing the water.

(2) Depth markers shall be installed at the maximum and minimum water depths and at all points of slope change and at intermediate increments of water depth not to exceed two (2) feet.

(3) Depth numbers shall not be less than four (4) inches minimum height, permanently colored, and in contrast to the background on which they are applied.

(d) Lifeguard chairs are required for all pools over two thousand (2,000) square feet at a rate of one (1) chair per every two thousand (2,000) square feet of water surface.

(e) All Class A, B, and C pools shall be furnished with not less than the following:

(1) One (1) U.S. Coast Guard approved ring buoy attached to a one-fourth (1/4) inch diameter throwing line not less than forty-five (45) feet long.

(2) One (1) shepherd's hook with a pole not less than twelve (12) feet long.

(3) One (1) twenty-four (24) unit first aid kit.

(4) Access to a telephone.

(f) All Class A, B, and C pools shall be enclosed by a fence, wall, building, or other enclosures that are not less than six (6) feet high, to aid in the control of the movement of bathers and to discourage the entrance of unwanted persons. *(Fire Prevention and*

Building Safety Commission; 675 IAC 20-2-26; filed Aug 14, 1989, 9:00 a.m.: 13 IR 58, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; filed Nov 5, 1991, 5:00 p.m.: 15 IR 238; errata filed Mar 10, 1992, 11:00 a.m.: 15 IR 1393; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 20-2-27 Bathhouse construction standards

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 27. (a) Dressing, shower, and sanitary facilities for each sex shall be provided within three hundred (300) feet of all Class A, B, and C pools.

(b) In all Class A and B pools such facilities shall be provided in a separate bathhouse located in such a manner that bathers must pass through the bathhouse to gain entry to the pool. Said bathhouse shall not be required to be a separate building.

(c) Design and construction of bathhouses shall be in accordance with the rules of the fire prevention and building safety commission [*this title*]. Minimum plumbing facilities for bathers shall be in accordance with the following table:

FIRE PREVENTION AND BUILDING SAFETY COMMISSION

PATRON LOAD	FIXTURES REQUIRED*				FIXTURES REQUIRED*		
	MALE				FEMALE		
	Water Closets	Urinals	Lavatories	Showers	Water Closets	Lavatories	Showers
0-50	1	1	1	1	1	1	1
51-100	1	1	1	1	2	1	1
101-150	1	2	1	2	3	1	2
151-200	1	2	1	2	3	1	2
201-250	2	2	1	3	4	2	3
251-300	2	3	2	4	5	2	4
301-400	2	3	2	5	5	2	5
401-500	3	3	2	6	6	2	6
501-1000	3	4	2	7	7	2	7
1001-1500	4	5	2	10	9	2	10
1501-2000	5	6	2	15	11	2	15
2001 or more	6	7	3	20	13	3	20

* For swimming pools at schools, camps or similar locations where patron loads may reach peaks due to schedules of use, the fixture schedules should be increased.

(d) Hose bibbs with approved nonremovable type backflow prevention devices shall be provided within the bathhouse to enable the entire area to be flushed with a fifty (50) foot hose.

(e) No less than one (1) drinking fountain shall be provided and available to bathers at the pool site. *(Fire Prevention and Building Safety Commission; 675 IAC 20-2-27; filed Aug 14, 1989, 9:00 a.m.: 13 IR 59, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

Rule 3. Public Spas

675 IAC 20-3-1 Materials of construction

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 1. (a) Public spas and all appurtenances thereto shall be constructed of materials which:

- (1) are nontoxic to man and the environment;
- (2) are impervious and enduring;
- (3) are capable of withstanding the stresses that the spas were designed to receive;
- (4) are smooth and easily cleaned;
- (5) will provide a watertight structure;
- (6) are without cracks or joints, excluding structural joints; and
- (7) are corrosion-resistant.

(b) Public spas placed outside building enclosures shall be so designed and constructed as to facilitate protection from damage due to freezing.

(c) Surfaces within the spa that provide footing shall be slip-resistant without presenting an abrasion hazard to bathers.

(d) Surfaces within the spa shall be light colored.

(e) Roofs or canopies over spas shall be so constructed that condensation from the roof or canopy shall not drain into the spa. *(Fire Prevention and Building Safety Commission; 675 IAC 20-3-1; filed Aug 14, 1989, 9:00 a.m.: 13 IR 59, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-3-2 Dimensional design; minimum volume

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 2. (a) The maximum water depth in public spas shall be four (4) feet. The maximum water depth at any seat shall be two (2) feet from the waterline.

(b) Approved handholds shall be provided at the perimeter of spas which exceed three (3) feet six (6) inches in depth. Such handholds shall consist of any of the following:

(1) Coping, ledges, or flanges which provide a rounded, slip-resistant surface of one and one-fourth (1 1/4) to two (2) inches in diameter which are not more than twelve (12) inches above the waterline.

(2) Ladders, steps, or seat ledges.

(3) A railing with a diameter between one and one-fourth (1 1/4) and two (2) inches diameter which is not more than twelve (12) inches above the waterline.

(4) A combination of the above.

(c) Public spas shall not be less than one thousand (1,000) gallons in volume.

(d) The slope of the floor of the spa shall not exceed one (1) in twelve (12). (*Fire Prevention and Building Safety Commission; 675 IAC 20-3-2; filed Aug 14, 1989, 9:00 a.m.: 13 IR 59, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 20-3-3 Means of entry and exit

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 3. (a) Spas shall be provided with not less than one (1) handrail or ladder for every fifty (50) feet of perimeter or portion thereof.

(b) Stairs within the perimeter of the spa shall meet the following requirements:

(1) Treads shall be slip-resistant and not less than ten (10) inches deep and twelve (12) inches wide.

(2) Risers shall be between seven (7) inches and twelve (12) inches high and uniform in height with the following exception: When the bottom tread is part of an underwater bench the rise shall not exceed fourteen (14) inches.

(3) Not less than one (1) handrail that serves all treads shall be provided for each stair.

(4) Handrails shall be installed so they cannot be removed without tools.

(5) The leading edge of handrails shall be within eighteen (18) inches horizontally measured from the vertical plane of the bottom riser.

(6) Handrails shall be between one and one-fourth (1 1/4) inches and two (2) inches in diameter.

(c) Stairs outside the perimeter of the spa shall be in accordance with 675 IAC 13, the Indiana Building Code.

(d) Ladders within the perimeter of the spa shall meet the following requirements:

(1) Treads shall be slip-resistant and not less than one and one-half (1 1/2) inches deep by not less than seventeen (17) inches wide nor more than twenty-four (24) inches wide.

(2) Handrails shall be between one and one-fourth (1 1/4) inches and two (2) inches in diameter.

(3) Two (2) handrails or handholds are required for each ladder.

(4) The clearance between spa ladders and the spa wall shall be between three (3) inches and six (6) inches.

(e) An exception to subsection (d) is recessed treads not less than five (5) inches deep draining into the spa and uniformly spaced between a minimum of seven (7) inches and a maximum of twelve (12) inches apart. (*Fire Prevention and Building Safety Commission; 675 IAC 20-3-3; filed Aug 14, 1989, 9:00 a.m.: 13 IR 60, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 20-3-4 Decks

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

- Sec. 4. (a) A deck not less than four (4) feet in width shall surround not less than fifty percent (50%) of the perimeter of a spa.
- (b) Decks shall meet the following requirements:
- (1) Surfaces shall be slip-resistant but not providing an abrasion hazard.
 - (2) The maximum dimension of any horizontal void shall be three-sixteenths (3/16) of an inch, and the maximum vertical difference in surfaces other than stairs shall be one-fourth (1/4) of an inch.
 - (3) All corners shall be rounded or relieved.
 - (4) Decks shall drain away from the spa.

(Fire Prevention and Building Safety Commission; 675 IAC 20-3-4; filed Aug 14, 1989, 9:00 a.m.: 13 IR 60, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 20-3-5 Mechanical, electrical, and water supply

Authority: IC 22-13-2-2
Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

- Sec. 5. (a) Mechanical equipment shall be installed in accordance with 675 IAC 18, the Indiana Mechanical Code.
- (b) Electrical equipment, system wiring, and grounding of all spa equipment and appurtenances shall be in accordance with 675 IAC 17, the Indiana Electrical Code.
- (c) The water supply serving the spa shall meet 327 IAC, the rules of the water pollution control board, before any bather uses the spa. *(Fire Prevention and Building Safety Commission; 675 IAC 20-3-5; filed Aug 14, 1989, 9:00 a.m.: 13 IR 61, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-3-6 Inlets and outlets

Authority: IC 22-13-2-2
Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

- Sec. 6. (a) Spa inlets and outlets shall be arranged to produce a uniform circulation of water throughout the spa.
- (b) Water velocity in the spa piping shall not exceed ten (10) feet per second with the following exceptions:
- (1) Suction velocity shall not exceed six (6) feet per second.
 - (2) Water velocity in existing asbestos cement pipe shall not exceed six (6) feet per second.
 - (3) Water velocity in copper pipe shall not exceed eight (8) feet per second.
- (c) Total velocity through grate openings shall not exceed two (2) feet per second.
- (d) All outlets below the waterline shall be covered with either a protective grate with individual openings of three-eighths (3/8) of an inch or less, or an antivortex cover.
- (e) All spas shall have a surface skimming (overflow) system and a main outlet at the lowest point on the spa floor. When skimmers are the sole overflow system, not less than one (1) skimmer shall be provided for each one hundred (100) square feet, or portion thereof, of water surface. *(Fire Prevention and Building Safety Commission; 675 IAC 20-3-6; filed Aug 14, 1989, 9:00 a.m.: 13 IR 61, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-3-7 Circulation systems

Authority: IC 22-13-2-2
Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

- Sec. 7. (a) Every spa shall be provided with an approved type circulation system capable of turning over the entire spa water capacity in not less than thirty (30) minutes.
- (b) All circulation shall go through the spa filtration system and be chemically treated prior to injection into the spa.
- (c) A removable strainer or screen shall be installed upstream from all pumps.
- (d) Filters shall meet the following requirements:
- (1) They shall be capable of maintaining the standards of turbidity set by the state board of health.

(2) They shall be provided with a means to safely release air which builds up in the filter tank.

(3) Piping furnished with the filter system shall be capable of withstanding three (3) times the designed working pressure.

(4) All filters and their components shall be accessible.

(e) Air induction systems, when provided, shall prevent water backup and shall not introduce contaminants into the spa water.

(f) Chemical feeder systems capable of maintaining a chemical residual and pH level in accordance with 410 IAC, the rules of the Indiana state board of health. *(Fire Prevention and Building Safety Commission; 675 IAC 20-3-7; filed Aug 14, 1989, 9:00 a.m.: 13 IR 61, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-3-8 Waste water disposal

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 8. Waste water shall be discharged to a point in accordance with 327 IAC, the rules of the water pollution control board, through an approved airgap or other means in accordance with 675 IAC 16, the Indiana Plumbing Code. *(Fire Prevention and Building Safety Commission; 675 IAC 20-3-8; filed Aug 14, 1989, 9:00 a.m.: 13 IR 61, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-3-9 Enclosure

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 9. All public spas shall be enclosed by a fence, wall, building, or other enclosure that is not less than six (6) feet high to aid in the control of the movement of bathers and to discourage the entrance of unwanted persons. *(Fire Prevention and Building Safety Commission; 675 IAC 20-3-9; filed Aug 14, 1989, 9:00 a.m.: 13 IR 62, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

Rule 4. Residential Swimming Pools

675 IAC 20-4-1 Special provisions

Authority: IC 22-13-2-2

Affected: IC 22-12-1-5; IC 22-13-2-7; IC 22-13-2-11; IC 22-15; IC 36-7

Sec. 1. (a) Residential swimming pools are Class 2 structures according to IC 22-12-1-5. Enforcement of this rule is the responsibility of local units of government.

(b) The provisions of this rule are not intended to restrict the appropriate use of materials, equipment, or methods of design not specifically described in this rule.

(c) The enforcing official may require submission of evidence or proof that substantiates any claims made regarding the appropriate use of materials, equipment, or methods of design.

(d) This section shall not authorize a variance from or modification of any rule of the fire prevention and building safety commission except pursuant to variance authority provided for in IC 22-13-2-7 and IC 22-13-2-11. *(Fire Prevention and Building Safety Commission; 675 IAC 20-4-1; filed Aug 14, 1989, 9:00 a.m.: 13 IR 62, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-4-2 Materials of construction

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 2. Swimming pools and all appurtenances thereto shall be constructed of materials which:

- (1) are nontoxic to man and the environment;
- (2) are impervious and reasonably enduring;
- (3) can withstand the stresses that the pool was designed to receive;
- (4) will provide a watertight structure with a smooth and easily cleaned surface without cracks or joints, excluding structural joints; or
- (5) a smooth, easily cleaned surface finish shall be applied to, attached to, or installed.

(Fire Prevention and Building Safety Commission; 675 IAC 20-4-2; filed Aug 14, 1989, 9:00 a.m.: 13 IR 62, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 20-4-3 Structural design

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 3. (a) Prior to construction, rehabilitation, or alteration of a permanently installed residential pool, plans and specifications shall be submitted to the local authority for review, approval, and issuance of a permit to construct or rehabilitate, as may be required.

(b) The structural design and materials used shall be in accordance with generally accepted structural engineering practices. Sand or earth shall not be permitted as an interior finish in a swimming pool.

(c) In all outdoor pools, the pool shell and appurtenances, piping, filter system, pump, motor, and other components shall be so designed and constructed to facilitate protection from damage due to freezing.

(d) The surfaces within the pool intended to provide footing for bathers shall be designed to provide a slip-resisting surface. The roughness or irregularity of such surfaces shall not provide an abrasion hazard to the feet during normal use.

(e) The colors, patterns, or finishes of the pool interior shall not obscure the existence or presence of objects or surfaces within the pool. *(Fire Prevention and Building Safety Commission; 675 IAC 20-4-3; filed Aug 14, 1989, 9:00 a.m.: 13 IR 62, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-4-4 Dimensional design

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 4. (a) No limits are specified for the shape of swimming pools except that consideration shall be given to the shape from the standpoint of safety and circulation of the swimming pool water.

(b) There shall be no protrusions, extensions, means of entanglement, or other obstructions in the swimming area which can cause the entrapment or injury of the bather.

(c) There shall be construction tolerances allowed on all dimensional designs. Overall length, width, and depth in the deep end may vary plus or minus three (3) inches. All other overall dimensions may vary plus or minus two (2) inches unless otherwise specified. *(Fire Prevention and Building Safety Commission; 675 IAC 20-4-4; filed Aug 14, 1989, 9:00 a.m.: 13 IR 62, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-4-5 Walls

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 5. Walls shall not be greater than eleven (11) degrees from plumb for a minimum depth of two (2) feet nine (9) inches from the waterline in deep areas or two (2) feet three (3) inches in the shallow areas. Below these depths the wall may be curved to join the floor. An exception to this section is walls on Type 1 and special purpose pools shall be plumb as is shown in section 10(d) of this rule, Figure No. 4-5. *(Fire Prevention and Building Safety Commission; 675 IAC 20-4-5; filed Aug 14, 1989, 9:00 a.m.: 13*

IR 63, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 20-4-6 Floor slope

Authority: IC 22-13-2-2
 Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 6. Floor slopes shall be in compliance with the following:

- (1) All slopes shall be uniform.
- (2) The slope of the floor from the shallow end wall towards the deep end shall not exceed one (1) foot in seven (7) feet (1:7) to the point of the first slope change.
- (3) The point of the first slope change shall be defined as the point at which the floor slope exceeds one (1) foot in seven (7) feet (1:7) and shall be not less than six (6) feet from the shallow end wall.
- (4) The slope of the floor from the point of the first slope change to the deep end wall shall not exceed one (1) foot in three (3) feet (1:3).

(Fire Prevention and Building Safety Commission; 675 IAC 20-4-6; filed Aug 14, 1989, 9:00 a.m.: 13 IR 63, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 20-4-7 Water depth

Authority: IC 22-13-2-2
 Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 7. (a) Water depths at the shallow end of the swimming area shall be two (2) feet nine (9) inches minimum and three (3) feet six (6) inches maximum, except for special purpose pools.

(b) No minimum water depth shall be specified in a nonswimming area. The nonswimming area shall be visually set apart.

(c) Pools of the type where manufactured diving equipment is permitted shall have the area and depth of water in compliance with the drawings for Type I through Type V pools.

(d) Where manufactured diving equipment is installed, it shall conform to the specifications set forth in section 15 of this rule and shall be so located in the diving area of the pool so as to provide the minimum dimensions for area and depth of water as shown on drawings of Type I through Type V pools.

(e) The tip of the manufactured diving equipment shall be located at point "A" which is the reference point for all other dimensions. *(Fire Prevention and Building Safety Commission; 675 IAC 20-4-7; filed Aug 14, 1989, 9:00 a.m.: 13 IR 63, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-4-8 Minimum vertical clearances

Authority: IC 22-13-2-2
 Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 8. Minimum unobstructed headroom from the top of the manufactured diving equipment shall be provided for diving in accordance with the following table unless greater dimensions are called for by the manufacturer:

Pool Type	Minimum Headroom Above Board
I	12 feet
II	12 feet
III	12 feet
IV	13 feet
V	14 feet

(Fire Prevention and Building Safety Commission; 675 IAC 20-4-8; filed Aug 14, 1989, 9:00 a.m.: 13 IR 63, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

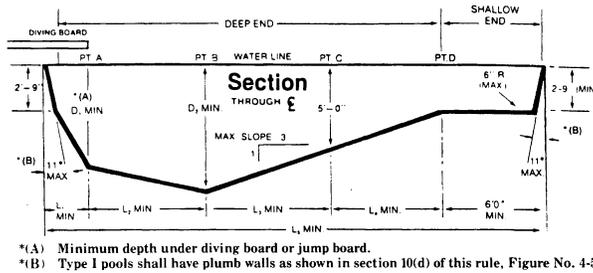
675 IAC 20-4-9 Pool types

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 9. (a) Residential pools shall be further classified into types as an indication of the suitability of a pool for use with diving equipment as shown in subsection (b), Figure No. 4-1. Diving equipment classified at a higher type shall not be used on a pool of a lesser type.

(b) This subsection contains Figure No. 4-1, a reference chart of minimum dimensions for residential pools with manufactured diving equipment.



POOL TYPE	MINIMUM DIMENSIONS							MINIMUM WIDTH OF POOL		
	D ₁	D ₂	L ₁ *	L ₂	L ₃	L ₄	L ₅	PT. A	PT. B	PT. C
O	DIVING EQUIPMENT IS PROHIBITED									
I	6'-0"	7'-6"	1'-6"	7'-0"	7'-6"	6'-9"	28'-9"	10'-0"	12'-0"	10'-0"
II	6'-0"	7'-6"	1'-6"	7'-0"	7'-6"	6'-9"	28'-9"	12'-0"	15'-0"	12'-0"
III	6'-10"	8'-0"	2'-0"	7'-6"	9'-0"	6'-9"	31'-3"	12'-0"	15'-0"	12'-0"
IV	7'-8"	8'-6"	2'-6"	8'-0"	10'-6"	6'-9"	33'-9"	15'-0"	18'-0"	15'-0"
V	8'-6"	9'-0"	3'-0"	9'-0"	12'-0"	6'-9"	36'-9"	15'-0"	18'-0"	15'-0"

(c) The minimum allowable underwater cross sections at B, C, and D shall be as shown on drawings of Type I through Type V pools (section 10(d) through 10(e) of this rule, Figures No. 4-5 through 4-6).

(d) Constant depth and other swimming pools on which diving equipment is prohibited (Type O) with water depths not exceeding four (4) feet shall not be limited in width, length, or depth of water except as provided in sections 4 through 5 of this rule.

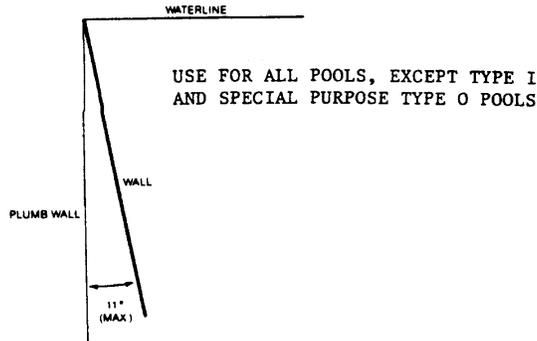
(e) Stationary diving platforms built on-site shall be located in the diving area of the pool so as to provide the minimum dimension as shown in subsection (b), Figure No. 4-1, at a maximum height of three (3) feet above the waterline. Point "A" shall be eighteen (18) inches in front of the wall at the platform center line. Stationary diving platforms shall not extend more than eighteen (18) inches horizontally over the water from the wall. (Fire Prevention and Building Safety Commission; 675 IAC 20-4-9; filed Aug 14, 1989, 9:00 a.m.: 13 IR 64, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 20-4-10 Figures 4-2 through 4-10

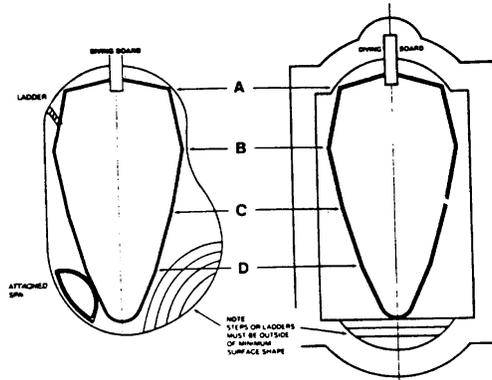
Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

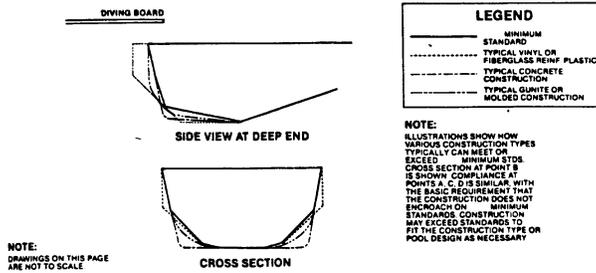
Sec. 10. (a) This subsection contains Figure No. 4-2, maximum allowable wall slope.



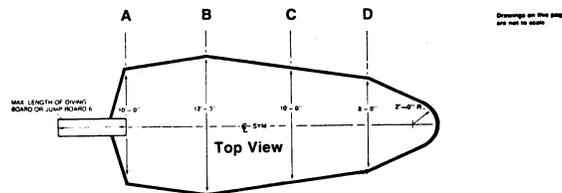
(b) This subsection contains Figure No. 4-3, relationship of minimum top view dimensions to steps or stairs.

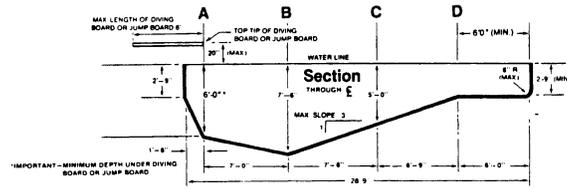


(c) This subsection contains Figure No. 4-4, relationship of vinyl, fiberglass, gunite, and concrete construction to minimum requirements.



(d) This subsection contains Figure No. 4-5, minimum dimensions for a Type I pool.

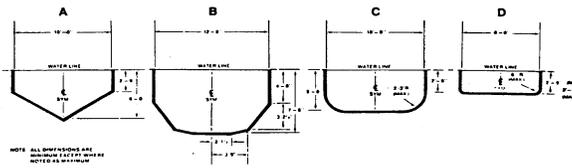




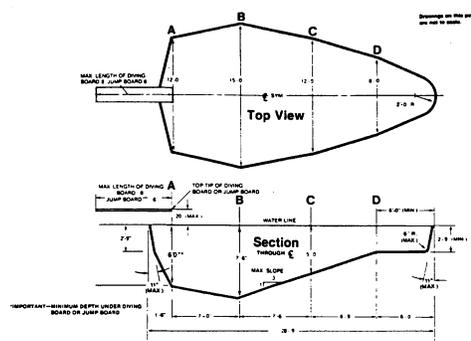
Minimum Water Envelope at Points A, B, C & D.

Pool Type I

Cross Sections



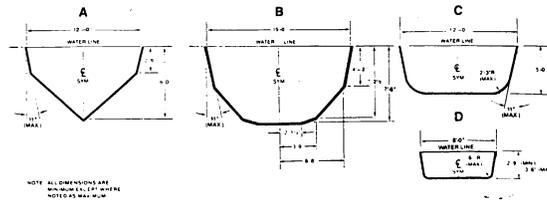
(e) This subsection contains Figure No. 4-6, minimum dimensions for a Type II pool.



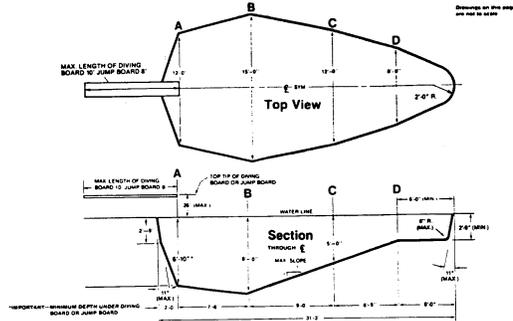
Minimum Water Envelope at Points A, B, C & D.

Pool Type II

Cross Sections

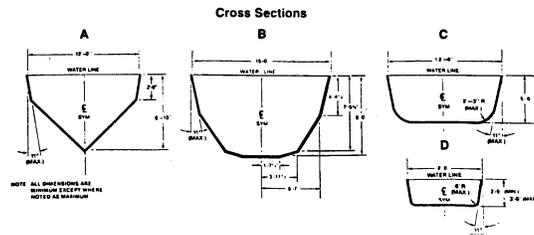


(f) This subsection contains Figure No. 4-7, minimum dimensions for a Type III pool.

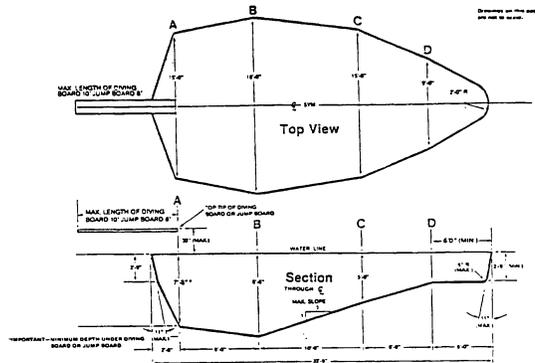


Minimum Water Envelope at Points A, B, C & D.

Pool Type III

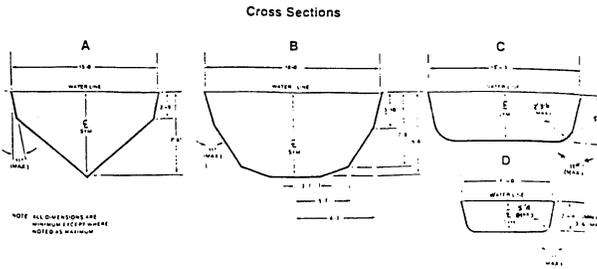


(g) This subsection contains Figure No. 4-8, minimum dimensions for a Type IV pool.

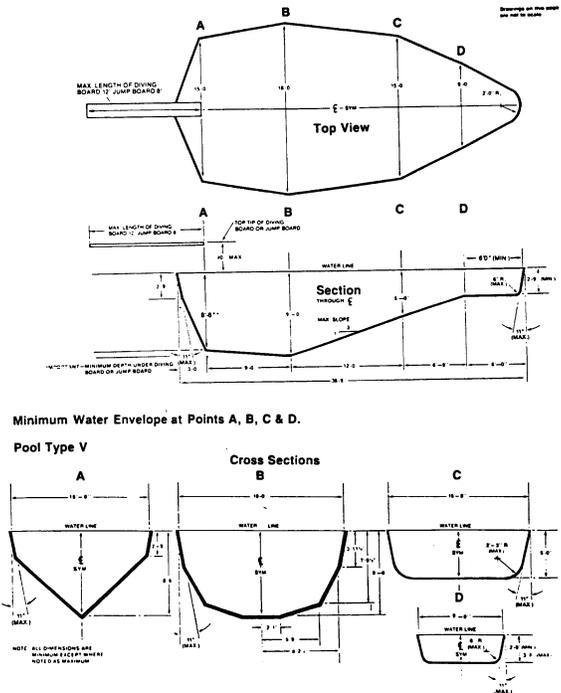


Minimum Water Envelope at Points A, B, C & D.

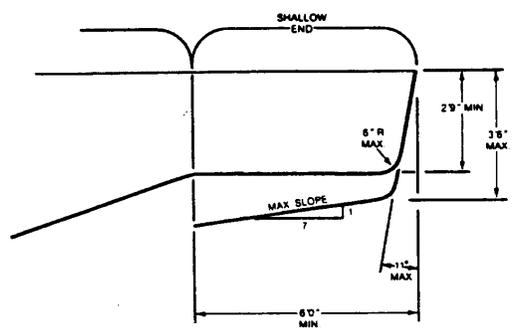
Pool Type IV



(h) This subsection contains Figure No. 4-9, minimum dimensions for a Type V pool.



(i) This subsection contains Figure No. 4-10, shallow end detail for pool Types II through V.

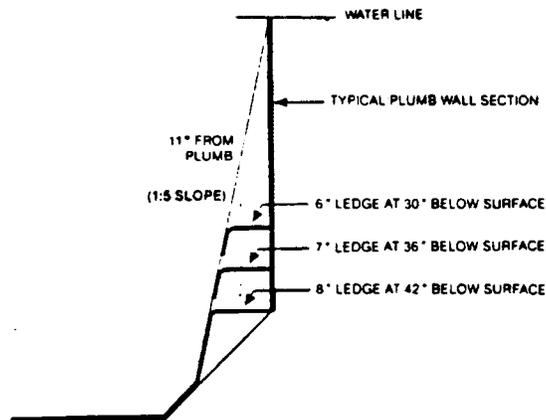


(Fire Prevention and Building Safety Commission; 675 IAC 20-4-10; filed Aug 14, 1989, 9:00 a.m.: 13 IR 65, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 20-4-11 Offset ledges and underwater seat benches

Authority: IC 22-13-2
 Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 11. (a) Offset ledges, when provided, shall fall within eleven (11) degrees from plumb starting at the junction of the pool wall and waterline and shall have a slip-resisting surface. Maximum width shall be eight (8) inches. The typical allowable dimensions are based on the depths shown below:



NOTE: IN TYPE I POOLS, THE LEDGES SHALL BE OUTSIDE THE MINIMUM WATER ENVELOPE.

(b) Underwater seat benches, where provided, shall have a maximum horizontal seat bench depth of twenty (20) inches below the waterline, be visually set apart, have a slip-resisting surface, and shall be located fully outside of the required minimum diving water envelope if the pool is designed for use with manufactured diving equipment. Underwater seat benches shall be permitted in the deep end of the pool only if they are either completely recessed, shaped to be compatible with the slope of the pool wall, or in a corner of the pool. (*Fire Prevention and Building Safety Commission; 675 IAC 20-4-11; filed Aug 14, 1989, 9:00 a.m.: 13 IR 72, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 20-4-12 Decks and deck equipment

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 12. (a) Deck work shall be designed and installed so as to include the quality of subbase, concrete mix design, reinforcing, joints, and finishes. Work performed in accordance with the recommended practices of the American Concrete Institute (ACI) Standard 302.1R-80, "Guide for Concrete Floor and Slab Construction", may be deemed acceptable.

(b) Decks, ramps, coping, and similar step surfaces shall be slip-resisting and easily cleanable.

(c) Special features in or on decks such as markers, brand insignias, or similar features shall conform to this section.

(d) Steps outside the pool perimeter shall be in accordance with 675 IAC 14, the Indiana One and Two Family Dwelling Code.

(e) Excavation areas shall be adequately compacted when they support the deck(s).

(f) Decks shall be sloped to effectively drain either to perimeter areas or to deck drains. Drainage shall remove pool splash water, deck cleaning water, and rainwater without leaving standing water.

(g) The minimum slope of decks shall be:

(1) one-eighth (1/8) inch per one (1) foot (1/8:12) for textured, hand-finished concrete decks;

(2) one-fourth (1/4) inch per one (1) foot (1/4:12) for exposed aggregate concrete decks; and

(3) one-half (1/2) inch per one (1) foot (1/2:12) for indoor/outdoor carpeting decks.

(h) The maximum slope for all decks other than wood decks shall be one (1) inch per foot except for ramps. The maximum slope for wood decks shall be one-eighth (1/8) inch per foot except for ramps. Expansion gaps shall be based on good engineering practices with respect to the type of wood used.

(i) The maximum voids between adjoining concrete slabs and/or between concrete slabs and expansion joint material shall be three-sixteenths (3/16) inch of horizontal clearance with a maximum difference in vertical elevation of one-fourth (1/4) inch.

(j) Construction joints where pool coping meets concrete decks shall be watertight and shall not allow water to pass to the

ground beneath.

(k) The areas where the decks join pool coping shall be designed and installed so as to protect the coping and its mortar bed from damage as a result of reasonable movement of adjoining decks.

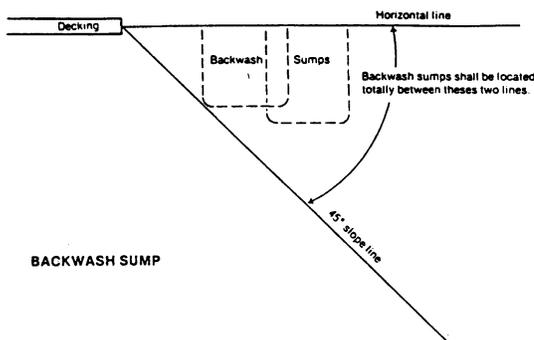
(l) Joints in decks shall be provided to minimize the potential for cracks due to a change in elevations, separation of surfaces, or movement of the slab.

(m) The areas where decks join concrete work shall be protected by expansion joints to protect the pool adequately from the pressures of relative movements.

(n) Decks shall be edged, have a radius, or be otherwise relieved to eliminate sharp corners.

(o) Site drainage shall be provided so as to direct all perimeter deck drainage as well as general site and roof drainage away from the pool.

(p) If used, an open pit or leaching design for backwash sump purposes shall be located so that it falls completely below adjacent decks and fully outside a line projected forty-five degrees (45°) downward and away from such decks as shown below.



(Fire Prevention and Building Safety Commission; 675 IAC 20-4-12; filed Aug 14, 1989, 9:00 a.m.: 13 IR 73, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Aug 11, 1990, 5:00 p.m.: 13 IR 2140; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 20-4-13 Circulation piping

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 13. (a) Circulation system piping, other than that integrally included in the manufacture of the pool, shall be subject to an induced static hydraulic pressure test (sealed system) at twenty-five (25) pounds per square inch for thirty (30) minutes. This test shall be performed before the deck is poured, and the pressure shall be maintained through the deck pour.

(b) Valves installed in or under any decks shall provide a minimum ten (10) inches diameter access cover and valve pit to facilitate servicing.

(c) A hose bibb with a vacuum breaker shall be provided for washing down the entire deck area. *(Fire Prevention and Building Safety Commission; 675 IAC 20-4-13; filed Aug 14, 1989, 9:00 a.m.: 13 IR 74, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-4-14 Pool egress

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 14. (a) All pools shall have a means of entry/exit in the shallow end consisting of one (1) ladder, stairs, or recessed treads. Where two (2) or more entries/exits are used, the ladders, stairs, or recessed treads may be used in combination. All treads shall have slip-resisting surfaces.

(b) Where water depths are twenty-four (24) inches or less at the pool wall, such areas shall be considered as providing their

own natural mode for entry/exit.

(c) For pools over thirty (30) feet in width, both sides of the deep portions of the pool shall have entries/exits provided.

(d) A means of entry/exit for the shallow end shall be located between the shallow end wall and the cross section at point "D". Where required, entry/exit for the deep end shall be between the deep end wall and the cross section at point "B". (Refer to section 9(b) of this rule, Figure No. 4-1.)

(e) Ladders, stairs, recessed treads, or underwater seat benches/swimouts shall be provided at the deep end of the pool if the water depth is over five (5) feet.

(f) The design and construction of protruding and recessed pool stairs shall conform to the following:

(1) Step treads shall have a minimum unobstructed horizontal depth of ten (10) inches and a minimum unobstructed surface area of two hundred forty (240) square inches.

(2) Risers at the center line of the treads shall have a maximum uniform height of twelve (12) inches with the bottom riser height allowed to vary plus or minus two (2) inches from the uniform riser height.

(3) The vertical distance between the pool coping edge, deck, or step surface, which shall be slip-resisting, and the uppermost step tread shall be a maximum of twelve (12) inches.

(g) If handrails are used with stairs, they shall conform to the following:

(1) Handrails, if removable, shall be installed in such a way that they cannot be removed without the use of tools.

(2) The leading edge of handrails facilitating stairs and pool entry/exit shall be no more than eighteen (18) inches plus or minus three (3) inches horizontally from the vertical plane of the bottom riser, where applicable.

(3) The outside diameter of handrails shall be between one (1) inch and two (2) inches.

(h) Underwater seats, benches, or swimouts may be provided as part of the stairs or recessed treads.

(i) The design and construction of pool ladders shall conform to the following:

(1) Pool ladders shall be made entirely of corrosion-resisting materials.

(2) Ladders shall provide two (2) handholds or two (2) handrails.

(3) Below the water level, there shall be a clearance of not more than six (6) nor less than three (3) inches between any ladder tread edge measured from the pool wall side of the tread and the pool wall.

(4) The clear distance between ladder handrails shall be a minimum of seventeen (17) inches and a maximum of twenty-four (24) inches.

(5) There shall be a uniform height between ladder treads with a seven (7) inch minimum distance and a twelve (12) inch maximum distance.

(6) Ladder treads shall have a minimum horizontal depth of one and one-half (1 1/2) inches.

(7) The vertical distance between the top tread and the pool coping or deck shall be a maximum of twelve (12) inches.

(j) The design and construction of recessed treads in the pool wall shall conform to the following:

(1) Recessed treads at the center line shall have a uniform vertical spacing of twelve (12) inches maximum and seven (7) inches minimum.

(2) The vertical distance between the pool coping edge, deck, or step surface and the uppermost recessed tread shall be a maximum of twelve (12) inches.

(3) Recessed treads shall have a minimum depth of five (5) inches and a minimum width of twelve (12) inches.

(4) Recessed treads shall drain into the pool to prevent accumulation of dirt.

(5) Each set of recessed treads shall be provided with a pair of handrails/grabrails/handholds to serve all treads and risers.

(Fire Prevention and Building Safety Commission; 675 IAC 20-4-14; filed Aug 14, 1989, 9:00 a.m.: 13 IR 74, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 20-4-15 Diving equipment

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 15. (a) Supports, platforms, stairs, and ladders for manufactured diving equipment shall be designed to carry the anticipated loads. Stairs and ladders shall be of corrosion-resisting material, easily cleanable, and with slip-resisting tread. All manufactured diving stands higher than twenty-one (21) inches measured from the deck to the top butt end of the board shall be provided with stairs and/or a ladder. Step treads shall be self-draining.

(b) Platforms and manufactured diving equipment of one (1) meter or higher shall be protected with guard rails which shall be at least thirty (30) inches above the diving board and extend to the edge of the pool wall.

(c) Manufactured diving equipment shall be designed for swimming pool use and shall be installed in accordance with the manufacturer's recommendations provided with the equipment.

(d) A label shall be permanently affixed to the manufactured diving equipment or jump board and shall include not less than:

- (1) manufacturer's name and address;
- (2) board equipment length;
- (3) identification as to diving or jump board;
- (4) fulcrum setting specifications, if applicable;
- (5) date of manufacture; and
- (6) reference to manufacturer's safety standard, if any, that the board will meet.

(e) Manufactured diving equipment suitable for installation on a lower pool type may be installed on any higher pool type providing no less a water envelope is provided from the tip of the board than called for in the lower type. Manufactured diving equipment of a greater type, e.g., Type III, shall not be installed on a pool of lesser type, e.g., Type II. In addition, the following provisions apply:

- (1) Manufactured diving equipment shall have slip-resisting tread surfaces.
- (2) Manufactured diving equipment shall be permanently anchored to the pool deck. The edge of the board at the tip end shall be level with the water surface. The tip end of the board over the pool water surface may be higher than the butt end of the board. Refer to manufacturer's recommendations.

(Fire Prevention and Building Safety Commission; 675 IAC 20-4-15; filed Aug 14, 1989, 9:00 a.m.: 13 IR 75, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 20-4-16 Swimming pool slides

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 16. (a) The requirements of the U.S. Consumer Product Safety Commission (CPSC) Standard for Swimming Pool Slides as published in 16 C.F.R. 1207, shall be used for standards relating to swimming pool slides.

(b) Swimming pool slides in residential swimming pools shall terminate such that the following applies:

- (1) The end of the slide is not more than twelve (12) inches above the pool deck.
- (2) The depth of the water at the end of the slide meets the manufacturer's recommendations or thirty-six (36) inches, whichever is greater.
- (3) The distance from the end of the slide is not less than twenty (20) feet measured along the axis of travel.
- (4) The depth of water described in subdivision (2) or a gradually increasing depth shall be maintained for not less than ten (10) feet beyond the end of the slide. This depth of water may gradually decrease beyond that point to a minimum water depth of twenty-four (24) inches. For this requirement a maximum slope of one (1) in seven (7) (1:7) shall be considered "gradual".

(c) Swimming pool slides shall be installed in accordance with the manufacturer's installation instructions and specifications.

(Fire Prevention and Building Safety Commission; 675 IAC 20-4-16; filed Aug 14, 1989, 9:00 a.m.: 13 IR 76, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 20-4-17 Circulation system

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 17. (a) A circulation system consisting of pumps, piping, return inlets and suction outlets, filters, and other necessary equipment shall be provided for complete circulation of water through all parts of the pool. This circulation system shall be capable of maintaining water clarity and chemistry requirements.

(b) The equipment shall be of adequate size to turn over the entire pool water capacity at least once every twelve (12) hours. Water clarity shall be maintained. When standing at the pool's edge at the deep end, the deepest portion of the pool floor shall be

visible.

(c) Circulation system components which require replacement or servicing shall be accessible for inspection, repair, or replacement and shall be installed according to the manufacturer's instructions.

(d) Pool equipment shall be properly supported to prevent damage from misalignment, settlement, etc. The equipment shall be mounted so as to minimize the potential for the accumulation of debris and moisture following manufacturer's instructions.

(e) The water velocity in the pool piping shall not exceed ten (10) feet per second for discharge piping and eight (8) feet per second for suction piping, unless summary calculations are provided to show that the greater flow is possible with the pump and piping provided. In copper pipes, the velocity shall not exceed eight (8) feet per second for suction and discharge piping. Pool piping shall be sized to permit the rated flows for filtering.

(f) The circulation system piping and fittings shall be nontoxic, shall be considered to be process piping, and shall be of material able to withstand operating pressures and operating conditions.

(g) Equipment shall be designed and fabricated to drain the pool water from the equipment, together with exposed face piping, by removal of drain plugs and manipulating valves, or by other methods. Refer to manufacturer's recommendations for specific information on draining the system.

(h) A pressure or vacuum gauge or other means of indicating system condition shall be provided in the circulation system in an easily readable location.

(i) Time clocks may be used to set the operating period of the circulation system. When time clocks are used, they shall also govern the operating time of appurtenant devices such as chemical/disinfectant feeders, slurry feeders, heaters, etc., that are dependent upon circulation pump flow.

(j) Written operation and maintenance instructions shall be provided for the circulation system. *(Fire Prevention and Building Safety Commission; 675 IAC 20-4-17; filed Aug 14, 1989, 9:00 a.m.: 13 IR 76, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-4-18 Filters

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 18. (a) Filters shall be designed so that after cleaning per manufacturer's instructions the system can provide the water clarity noted in section 17(a) of this rule.

(b) Filters shall be designed so that filtration surfaces can be inspected and serviced.

(c) On pressure-type filters, a means shall be provided to permit the release of internal pressure.

(d) Any filter incorporating an automatic internal air release as its principal means of air release shall have lids which provide a slow and safe release of pressure as a part of its design.

(e) Any separation tank used in conjunction with any filter tank shall have a manual means of air release or a lid which provides a slow and safe release of pressure as it is opened as a part of its design.

(f) Pressure filters and separation tanks shall have operation and maintenance instructions permanently installed on the filter or separation tank and shall include a precautionary statement warning not to start up the system after maintenance without first opening the air release and proper reassembly of the filter and separation tank. The statement shall be visible and noticeable within the area of the air release.

(g) Piping furnished with the filter shall be of suitable material capable of withstanding one and one-half (1 1/2) times the working pressure. The suction piping shall not collapse when there is a complete shutoff of flow on the suction side of the pump. *(Fire Prevention and Building Safety Commission; 675 IAC 20-4-18; filed Aug 14, 1989, 9:00 a.m.: 13 IR 77, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 677; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-4-19 Pumps

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 19. (a) A pump and motor shall be provided for circulation of the pool water. Performance of all pumps shall meet or exceed the conditions of flow required for filtering; cleaning, if applicable; and the filters against the total dynamic head developed by the complete system.

(b) With all pressure filter systems a cleanable strainer or screen shall be provided upstream of the circulation pumps to remove solids, debris, hair, lint, etc.

(c) Pumps and motors shall be accessible for inspection and service.

(d) The design and construction of the pumps and component parts shall provide safe operation that is not hazardous to the operator or maintenance personnel.

(e) Where a mechanical pump seal is provided, components of the seal shall be corrosion-resisting and capable of operating under conditions normally encountered in pool operation.

(f) Proper direction of rotation for the pump shall be clearly indicated on the pump.

(g) All motors shall have as a minimum an open drip-proof enclosure and be constructed electrically and mechanically to perform satisfactorily and safely under the conditions of load and environment normally encountered in swimming pool installations.

(h) Motors shall be capable of operating the pumps under full load with a voltage variation of plus or minus ten percent (10%) from the nameplate rating. If the maximum service factor of the motor is exceeded (at full voltage), the manufacturer shall indicate this on the pump curve.

(i) All motors shall have thermal or current overload protection, either built in or in the line starter, to provide locked rotor and running protection.

(j) Where the pump is below the waterline, valves shall be installed on permanently connected suction and discharge lines, located in an accessible place outside the walls of the pool, where they shall be readily and easily accessible for maintenance and removal of the pump. *(Fire Prevention and Building Safety Commission; 675 IAC 20-4-19; filed Aug 14, 1989, 9:00 a.m.: 13 IR 77, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 677; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-4-20 Return inlets and suction outlets

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 20. (a) Return inlets and suction outlets shall be provided and arranged to produce a uniform circulation of water and maintain a uniform disinfectant residual throughout the entire pool. Where skimmers are used, the return inlets shall be located so as to help bring floating particles within range of the skimmers.

(b) The number of return inlets shall be based on a minimum of one (1) return inlet per six hundred (600) square feet of pool surface area, or fraction thereof. Return inlet fittings shall be installed of sufficient pipe size or quantity to allow a full design turnover rate of the circulation system in accordance with the manufacturer's recommendations for return inlets.

(c) Return inlets from the circulation system shall be designed so as not to constitute a hazard to the bather.

(d) The pool shall not be operated if the suction outlet grate is missing, broken, or secured in such a way that it can be removed without the use of tools.

(e) If the suction outlet system, such as a filtration system, booster system, automatic cleaning system, solar system, etc., has a single suction outlet, or multiple suction outlets which can be isolated by valves, each suction outlet shall protect against bather entrapment by:

(1) an antivortex cover;

(2) a twelve (12) inch by twelve (12) inch (12x12) grate or larger; or

(3) other means acceptable to the local authority.

(f) Where provided, the vacuum cleaner fittings shall be located in accessible positions at least six (6) inches and no greater than eighteen (18) inches below the minimum operating water level or as an attachment to the skimmers. *(Fire Prevention and Building Safety Commission; 675 IAC 20-4-20; filed Aug 14, 1989, 9:00 a.m.: 13 IR 78, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-4-21 Surface skimmer systems

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 21. (a) A surface skimming system shall be provided on all residential swimming pools and shall be designed and constructed to skim the pool surface when the water level is maintained within the operational parameters of the system's rim or weir device.

(b) Skimming devices shall be designed and installed so as not to constitute a hazard to the bather.

(c) Where automatic surface skimmers are used as the sole overflow system, at least one (1) surface skimmer shall be provided for each eight hundred (800) square feet or fraction thereof of the water surface area. Nominal recessed areas such as stairs, swimouts, spas, etc., shall not be considered in the calculation. Where skimmers are used, they shall be located to maintain effective skimming action over the entire surface of the pool. *(Fire Prevention and Building Safety Commission; 675 IAC 20-4-21; filed Aug 14, 1989, 9:00 a.m.: 13 IR 78, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-4-22 Electrical requirements

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 22. The requirements of 675 IAC 17, the Indiana Electrical Code, shall be followed in the installation of all electrical equipment wiring or appliances in the pool area or vicinity of the pool's circulation system. *(Fire Prevention and Building Safety Commission; 675 IAC 20-4-22; filed Aug 14, 1989, 9:00 a.m.: 13 IR 78, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-4-23 Heaters

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 23. (a) Swimming pool heaters shall be of an "approved" type.

(b) Heaters shall be properly sized.

(c) The heaters shall be installed according to the manufacturer's recommendations, but not less than the following:

(1) The heater shall be installed on a concrete (or equivalent) base unless it is specifically designed for installation on a combustible surface.

(2) When installing the heater, adequate clearances shall be maintained on all sides and over the top of the unit. Consult manufacturer's instructions for proper clearances.

(3) In order to assure proper combustion, the heater shall have adequate ventilation installed as follows:

(A) When installing a heater indoors, proper openings to the room are required. The heater shall be installed in accordance with 675 IAC 18, the Indiana Mechanical Code, and the manufacturer's recommendations for properly sized air openings to the enclosure.

(B) All fossil fuel heaters shall be supplied with some type of venting system for either indoor or outdoor installation. These draft or venting devices shall be installed according to the manufacturer's recommendations and shall not be modified.

(C) When installing a heater that will be using propane gas, special precautions shall be noted. Propane gas is heavier than air and, therefore, can create special problems when the heater is installed in a pit or in an enclosed area. Whenever installing a heater with propane gas, the manufacturer's ventilation recommendations shall be followed.

(d) The heater gas supply and pipe sizing shall be adequate and shall comply with manufacturer's recommendations. When installing a gas-fired heater, the gas line shall be run from the gas meter as directly as practical.

(e) The heater circulation system shall comply with the manufacturer's recommendations. Precautions shall be taken to avoid siphonage of hot water into the pump or filter. When manufacturers recommend metal pipe, i.e., copper, heat sinks, they shall be installed vertically connected to the heater to prevent heat damage to plastic circulation pipe. Heater piping shall be designed to avoid

excessive friction losses through the pipe and/or bypass valves required. When installing bypass valves, caution shall be taken to insure adequate flow through the heater at all times.

(f) The water piping system shall be installed according to the manufacturer's recommendations. When manufacturers recommend precautions to eliminate siphonage so that the heater does not destroy the filter or any plastic pipe that is being used, the manufacturer's recommendations shall be followed. NOTE: When installing a heater and a filter system, adequate provisions shall be made so that the heater does not cause excessive pressure drop to the filter system. Refer to manufacturer's requirements and/or recommendations for installation of bypass valves. Excessive flow that causes pressure drop can be eliminated by the installation of an external or an automatic bypass valve. When installing a bypass valve, caution shall be noted so that there is always adequate flow through the heater.

(g) A time clock is recommended, and when used it shall be set long enough to properly filter the water and allow enough time for proper heating of the pool. It is recommended that a dual time clock or fireman's switch be used in conjunction with the heater to shut the heater off approximately one-half (1/2) hour before the filter system shuts down. *(Fire Prevention and Building Safety Commission; 675 IAC 20-4-23; filed Aug 14, 1989, 9:00 a.m.: 13 IR 79, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-4-24 Water supply

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 24. (a) The water supply serving the pool, which may come from a variety of sources, shall meet 327 IAC, the rules of the water pollution control board, before the bather uses the pool.

(b) No direct mechanical connection shall be made between the potable water supply and the swimming pool, chlorinating equipment, or the system of piping for the pool unless it is protected against backflow and siphonage in a manner approved by 675 IAC 16, the Indiana Plumbing Code, or through an airgap meeting that same code.

(c) An over-the-rim spout, if used, shall be located under a diving board, adjacent to a ladder, or otherwise properly shielded so as not to create a hazard. Its open end shall have no sharp edges and shall not protrude more than two (2) inches beyond the edge of the pool. *(Fire Prevention and Building Safety Commission; 675 IAC 20-4-24; filed Aug 14, 1989, 9:00 a.m.: 13 IR 79, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-4-25 Waste water disposal

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 25. Backwash water shall be discharged into a sanitary sewer through an approved airgap or into an approved subsurface disposal system or by other means in accordance with 675 IAC 16, the Indiana Plumbing Code, and 327 IAC, the rules of the water pollution control board. *(Fire Prevention and Building Safety Commission; 675 IAC 20-4-25; filed Aug 14, 1989, 9:00 a.m.: 13 IR 80, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 20-4-26 Disinfectant; oxidation; chemical feeder equipment

Authority: IC 22-13-2-2

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 26. (a) Disinfectant equipment, oxidation equipment, and chemical feeders, hereafter referred to jointly as "equipment", shall be capable of precisely introducing a sufficient quantity of an approved disinfecting agent or other chemical to maintain one (1) milligram per liter of free chlorine residual.

(b) Manufacturer's instructions shall be used in installing chemical feeders. The installation and use of chemical feeders shall conform to the following:

(1) Where using chemical feeders, it is extremely important that they be installed downstream from the filter and heater. An

exception is equipment specifically labeled for feeding to the suction side of the pump.

(2) If the chemical feeder is equipped with its own pump, it shall be installed so it introduces the gas or solution downstream from the heater and, if possible, at a position lower than the heater outlet fitting.

(3) Chemical feed pumps shall be wired so they cannot operate unless the filter pump is running. If the chlorinator has an independent timer, the filter and chemical feed pump timers shall be interlocked.

(c) The installation of ozone generating equipment shall be limited to low ozone output generating equipment. The installation and use of ozone generating equipment shall conform to the following:

(1) Installation of ozone generating equipment shall allow for indications of operation or malfunction to be easily observed. The equipment shall be installed in a manner such that a malfunction will not endanger operators or pool users.

(2) Ozone generating equipment shall be used in conjunction with other chemical treatments to meet the chemical operating parameters in this section of this rule. Normal maintenance and monitoring of water chemistry shall be followed.

(3) If the equipment is capable of exposing maintenance or service personnel to ozone concentrations exceeding five hundred (500) parts per million, a self-contained breathing apparatus approved for ozone usage shall be provided. If a distinct, pungent odor is smelled when the ozone generating equipment is operating, the equipment shall be shut down, and the area shall be ventilated. The equipment shall be inspected and repaired as necessary by qualified service personnel.

(4) Manufacturer's recommendations shall be used to determine where and how ozone shall be injected.

(Fire Prevention and Building Safety Commission; 675 IAC 20-4-26; filed Aug 14, 1989, 9:00 a.m.: 13 IR 80, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 20-4-27 Safety features

Authority: IC 22-13-2-2; IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-15; IC 36-7

Sec. 27. (a) A residential pool shall be provided with a suitable handhold around its perimeter in areas where depths exceed three (3) feet six (6) inches. Handholds shall be provided no further apart than four (4) feet and shall consist of any one (1) or a combination of items listed as follows:

(1) Coping, ledge, or deck along the immediate top edge of the pool which provides a slip-resisting surface of at least four (4) inches minimum horizontal width and located at or not more than twelve (12) inches above the waterline.

(2) Ladders, stairs, or seat ledges.

(3) A secured rope or railing placed at or not more than twelve (12) inches above the waterline.

(b) Rope anchor devices shall be installed at a minimum of one (1) foot and a maximum of two (2) feet on the shallow end side of a point of change in floor slope. In pools where the slope change occurs in water depths less than four (4) feet six (6) inches, a transition rope supported by buoys shall be installed.

(c) Access to residential pools shall be restricted by one (1) of the following means:

(1) Walls or fencing not less than five (5) feet high and completely surrounding the pool and deck area with the exception of self-closing and latching gates and doors, both capable of being locked.

(2) Other means not less than five (5) feet high and deemed impenetrable by the enforcing authority at the time of construction and completely surrounding the pool and deck area when the pool is not in use.

(3) A combination of subdivisions (1) and (2) that completely surrounds the pool and deck with the exception of self-closing and latching gates and doors which are capable of being locked. This applies to subdivisions (1) and (2) and this subdivision only.

(4) A power safety pool cover which shall:

(A) provide a continuous connection between the cover and the deck, so as to prohibit access to the pool when the cover is completely drawn over the pool;

(B) be mechanically operated by a key or key and switch such that the cover cannot be drawn open or retracted without the use of a key;

(C) is installed with track, rollers, rails, guides, or other accessories necessary to accomplish clauses (A) and (B), in accordance with the manufacturer's instructions; and

(D) bear an identification tag indicating that the cover satisfies the requirements of ASTM F1346 for power safety pool covers.

- (d) Not less than the following lifesaving equipment shall be installed with each residential swimming pool:
- (1) A ring or throwing buoy fitted with forty (40) feet of one-fourth (1/4) inch diameter line.
 - (2) A pole not less than twelve (12) feet in length.
 - (3) Access to a telephone.

(Fire Prevention and Building Safety Commission; 675 IAC 20-4-27; filed Aug 14, 1989, 9:00 a.m.: 13 IR 80, eff Sep 1, 1989 [IC 4-22-2-36 suspends the effectiveness of a rule document for thirty (30) days after filing with the secretary of state. LSA Document #89-17 was filed Aug 14, 1989.]; errata filed Aug 11, 1990, 5:00 p.m.: 13 IR 2140; filed Dec 11, 1992, 5:00 p.m.: 16 IR 1390; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

ARTICLE 21. SAFETY CODES FOR ELEVATORS, ESCALATORS, MANLIFTS AND HOISTS

Rule 1. Administration

675 IAC 21-1-1 Installation permits; applications; registration fees

Authority: IC 22-13-2-13

Affected: IC 22-12-6-9; IC 22-13; IC 22-14; IC 22-15-5-3

Sec. 1. Permits are required, prior to commencement of work, for new installations or alterations to existing installations of lifting devices governed under this article and pursuant to IC 22-15-5. Applications for permits shall be made to the division of elevator safety on forms provided by the division. Each application shall be accompanied by plans, specifications, shop drawings, certificates, or other documentation necessary for the division director to evaluate the installation for compliance with this article and to accomplish registration pursuant to IC 22-15-5-3. Such application shall also be accompanied by a check made payable to the "State Building Commissioner Fund" in such amount as set out in IC 22-12-6-9. *(Fire Prevention and Building Safety Commission; 675 IAC 21-1-1; filed Aug 30, 1985, 11:52 a.m.: 9 IR 38, eff Oct 1, 1985; filed Sep 27, 1989, 4:30 p.m.: 13 IR 285; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 21-1-2 Variances; interpretations

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 2. A written application for a variance from the provisions of this article may be made at the time of application for an installation permit. Such requests shall be processed under 675 IAC 12-5 governing variances. *(Fire Prevention and Building Safety Commission; 675 IAC 21-1-2; filed Aug 30, 1985, 11:52 a.m.: 9 IR 38, eff Oct 1, 1985; filed Sep 27, 1989, 4:30 p.m.: 13 IR 286; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 21-1-2.1 Inspection and test periods

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 2.1. Rule 1001.1 Inspection and Test Periods. Change the exception to read as follows: The routine inspection for passenger elevators may be performed at intervals not longer than one (1) year during the five (5) year period of service following issuance of the initial operating permit. In such case, the inspection and test requirements of Rule 1001.2 shall be combined with the one (1) year inspection and test requirements of Rule 1002.2. *(Fire Prevention and Building Safety Commission; 675 IAC 21-1-2.1; filed Mar 8, 1989, 3:30 p.m.: 12 IR 1552; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 21-1-3 Acceptance inspections

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 3. The chief inspector shall cause each initial or new installation, and any alteration of an existing installation for which an installation permit had been issued, to be inspected and tested for compliance with the codes and standards adopted by reference

in this article (675 IAC 21). (*Fire Prevention and Building Safety Commission; 675 IAC 21-1-3; filed Aug 30, 1985, 11:52 am: 9 IR 38, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 21-1-3.1 Operating permit; display; location

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 3.1. (a) After inspection, testing, and acceptance of an installation under section 3 of this rule, the division director shall issue an operating permit for each such installation.

(b) For elevators, dumbwaiters, and vertical wheelchair lifts the operating permit shall be displayed inside the cab enclosure in a protective frame.

(c) For escalators, moving walks, and inclined lifts the operating permit shall be displayed in a protective frame mounted on a nearby column or wall at the lowest floor level served, or at a location approved by the division director. (*Fire Prevention and Building Safety Commission; 675 IAC 21-1-3.1; filed Sep 27, 1989, 4:30 p.m.: 13 IR 286; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 21-1-4 Periodic inspections; reports; compliance orders

Authority: IC 22-13-2-13

Affected: IC 4-21.5-3-7; IC 22-12-7-12; IC 22-13; IC 22-14; IC 22-15

Sec. 4. (a) Periodic inspections and tests of lifting device installations for which an operating permit has been issued shall be performed by inspectors from the division at intervals established by the codes and standards adopted by reference in this article.

(b) The inspector shall discuss and explain the contents of his report to the owner or lessee of the installation upon completion of an inspection.

(c) The division director, after review of an inspection report, shall furnish a copy to the owner or lessee of the installation together with an order to perform, within a reasonable time, alterations, repairs, maintenance, or tests as he has determined necessary to comply with the rules adopted by reference in this article.

(d) Unless an administrative review before the commission is requested pursuant to IC 4-21.5-3-7 and IC 22-12-7-12, the owner or lessee of an installation, upon which an order has been issued by the division director, shall within thirty (30) days after receipt of such order, provide a written statement to the division as to what alterations, repairs, maintenance, or tests have been or are to be performed to comply with such order.

(e) Any test of an installation, ordered by the division director, shall be performed only by a person whose qualifications have been found acceptable to the division director. (*Fire Prevention and Building Safety Commission; 675 IAC 21-1-4; filed Aug 30, 1985, 11:52 a.m.: 9 IR 38, eff Oct 1, 1985; filed Sep 27, 1989, 4:30 p.m.: 13 IR 286; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 21-1-5 Existing installations; maintenance

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 5. All existing installations for which an operating permit is in effect shall be maintained in a safe operating condition or shall be taken out of service. All parts of existing installations upon which safe operation is dependent, shall be maintained in proper working order. Broken, worn or otherwise defective components shall be promptly replaced. All electrical equipment and communication systems shall be maintained in a serviceable condition. (*Fire Prevention and Building Safety Commission; 675 IAC 21-1-5; filed Aug 30, 1985, 11:52 am: 9 IR 39, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 21-1-6 Limited certificates of operation

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 6. (a) When in the opinion of the chief inspector an existing elevator is no longer safe for any person to ride, the operating

permit shall be limited to allow operation of the existing elevator only when no person is riding, and the elevator shall be operated from outside the hoistway.

(b) A limited certificate of operation shall automatically expire when the use or occupancy of the structure changes.

(c) Elevators operating with limited certificates of operation shall have the electrical control cables between car and controller permanently disconnected. Elevators having hand cable controllers shall have such controllers enclosed on the car to prevent operation from the car. (*Fire Prevention and Building Safety Commission; 675 IAC 21-1-6; filed Aug 30, 1985, 11:52 am: 9 IR 39, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 21-1-7 Accident reports and investigations

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 7. (a) The following includes, but is not limited to, the occurrences which shall be reported:

(1) Any occurrence in which one (1) or more riders are fatally injured or require hospitalization.

(2) Any collision in which the damage exceeds one thousand dollars (\$1,000).

(b) The following information shall be reported:

(1) Registration number of the installation.

(2) Owner and operator of installation.

(3) Location of the installation.

(4) Names of persons injured.

(5) Date and time of the occurrence.

(6) Operating condition of the installation as known.

(7) Brief details of the occurrence.

(c) The occurrence shall be reported by the owner unless the installation is solely operated by a lessee in which event the lessee shall report.

(d) The occurrence shall be reported by telephone to the division within twenty-four (24) hours after the occurrence or during the next regular working day in the event the office of the division is closed.

(e) The chief inspector shall have the right to request information on any occurrence which in his opinion should be investigated.

(f) The owner or lessee shall make available to the chief inspector records and information which in any way relate to any occurrence and shall afford reasonable assistance to him in the investigation of any occurrence. (*Fire Prevention and Building Safety Commission; 675 IAC 21-1-7; filed Aug 30, 1985, 11:52 am: 9 IR 39, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 21-1-8 Fee schedule

Authority: IC 22-13-2-13

Affected: IC 22-12-6-9; IC 22-13; IC 22-14; IC 22-15

Sec. 8. (a) The schedule of fees required to be collected for installation permits, initial and periodic inspections, processing fees, alterations, subsequent inspections, special services (including consultations and surveys), and temporary certificates of operation is established in IC 22-12-6-9.

(b) Fees required to be collected in this section are not refundable. (*Fire Prevention and Building Safety Commission; 675 IAC 21-1-8; filed Aug 30, 1985, 11:52 a.m.: 9 IR 39, eff Oct 1, 1985; filed Sep 27, 1989, 4:30 p.m.: 13 IR 286; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 21-1-9 Title; availability of rule

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 9. (a) All codes and standards adopted or established in 675 IAC 21-3 through 675 IAC 21-7 shall collectively be known as the Indiana Elevator Safety Code, 1989 edition.

(b) All rules under this article may be purchased from the Fire and Building Services Department, 1099 North Meridian Street, Indianapolis, Indiana 46204. (*Fire Prevention and Building Safety Commission; 675 IAC 21-1-9; filed Aug 30, 1985, 11:52 a.m.: 9 IR 40, eff Oct 1, 1985; filed Sep 27, 1989, 4:30 p.m.: 13 IR 287; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

Rule 2. Elevators Installed Prior to January 1, 1975

675 IAC 21-2-1 Applicability of rule; definition of owner

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 1. (a) Every owner of a building that does not contain at least one (1) passenger elevator which complies with Rule 211.3a, Phase I Emergency Recall Operation, and with Rule 211.3c, Phase II Emergency In-Car Operation, of the code adopted in 675 IAC 21-3, shall alter at least one (1) elevator in the building to meet the requirements of said Rules 211.3a and 211.3c. This rule is not an exception to similar requirements for new installations, but establishes additional requirements for elevators installed before January 1, 1975.

(b) The term "owner" means a person having control or custody of any retail store, office, or residential building:

(1) having floors used for human occupancy located more than seventy-five (75) feet above the lowest level of fire department vehicle access;

(2) having an occupant load of one hundred (100) or more persons; and

(3) having one (1) or more passenger elevators.

(*Fire Prevention and Building Safety Commission; 675 IAC 21-2-1; filed Aug 30, 1985, 11:52 a.m.: 9 IR 40, eff Oct 1, 1985; filed Mar 6, 1986, 3:00 p.m.: 9 IR 1657; filed Sep 27, 1989, 4:30 p.m.: 13 IR 287; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 21-2-2 Elevator access identification

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 2. (a) The elevator must be the most easily accessible elevator from the principal entrance of the building. The chief inspector of the division may make that determination.

(b) The owner shall clearly identify the elevator that meets the requirements of this rule (675 IAC 21-2). (*Fire Prevention and Building Safety Commission; 675 IAC 21-2-2; filed Aug 30, 1985, 11:52 am: 9 IR 40, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 21-2-3 Operating instructions

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 3. Instructions for operation of elevators under fire and other emergency conditions shall be incorporated within the enclosure for the switch at the main floor as required by Rules 211.3a and 211.3b of the code adopted in 675 IAC 21-3 or shall be posted adjacent to it. Instructions shall be in letters not less than one-fourth inch (1/4") in height and shall be permanently installed and protected against removal and defacement. (*Fire Prevention and Building Safety Commission; 675 IAC 21-2-3; filed Aug 30, 1985, 11:52 am: 9 IR 41, eff Oct 1, 1985; errata, 9 IR 524; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 21-2-4 Tests and inspections (Repealed)

Sec. 4. (*Repealed by Fire Prevention and Building Safety Commission; filed Sep 27, 1989, 4:30 p.m.: 13 IR 290*)

675 IAC 21-2-5 Classification of rule (Repealed)

Sec. 5. (*Repealed by Fire Prevention and Building Safety Commission; filed Sep 27, 1989, 4:30 p.m.: 13 IR 290*)

Rule 3. Elevator Safety Code

675 IAC 21-3-1 Adoption by reference

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 1. (a) That certain document, being titled as ANSI/ASME A17.1-1987, Safety Code for Elevators and Escalators, published by the American Society of Mechanical Engineers, 345 East 47th Street, New York, New York 10017, be and the same is hereby adopted by reference and made a part of this rule as if fully set out herein, save and except those additions, deletions, and amendments as are made in section 2 of this rule.

(b) The following standards are intended for use as a guide in the design, testing, and installation of equipment regulated by this code and are not adopted or enforceable as part of this code:

(1) AGMA 420.04-1975; AGMA 440-04.1971; AGMA 441-04-1978; AGMA 460-05-1971; AGMA 480-06-1977.

(2) AISC Book #S326, 1978.

(3) ANSI A10.4; ANSI A10.5; ANSI A12.1-1973; ANSI A14-3-1974; ANSI A58.1; ANSI A117.1-1980; ANSI Z35.1-1972; ANSI Z97.1-1975.

(4) ANSI/ACI 318-77.

(5) ANSI/ASME A17.2; ANSI/ASME A17.3; ANSI/ASME B1.20.1-1983; ANSI/ASME B20.1; ANSI/ASME B29.1-1975; ANSI/ ASME B29.2-1957; ANSI/ASME QE1-1-1984; ANSI/ASME Y1.1.

(6) ANSI/AWS D1.1.

(7) ANSI/NFPA No. 13-1980; ANSI/NFPA No. 70-1984; ANSI/NFPA No. 72E-1982; ANSI/NFPA No. 80-1981; ANSI/NFPA No. 101-1981.

(8) ANSI/RMA IP-20-1977.

(9) ANSI/Vol. Prod. Std. PS-1-74.

(10) ASME Boiler and Pressure Vessel Code, Section VIII, 1980.

(11) ASME Guide S1-1.

(12) ASTM A27-81a; ASTM A36-81a; ASTM 283-81; ASTM A307-78; ASTM A502-76; ASTM A668-81a; ASTM D97-66; ASTM D198-76; ASTM D345-74; ASTM D2270-79; ASTM E84-81a; ASTM 3152-80; ASTM 380.

(13) National Building Code.

(14) NFPA 252-1979.

(15) Federal Test Method Standard 191.

(16) Plywood Design Specification (April 1978).

(17) SAE J517D-1979.

(18) Standard Building Code.

(19) UL 104.

(Fire Prevention and Building Safety Commission; 675 IAC 21-3-1; filed Aug 30, 1985, 11:52 a.m.: 9 IR 41, eff Oct 1, 1985; filed Mar 6, 1986, 3:00 p.m.: 9 IR 1658; errata, 9 IR 2063; filed Sep 27, 1989, 4:30 p.m.: 13 IR 288; errata filed Nov 15, 1989, 5:00 p.m.: 13 IR 675; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 21-3-2 Amendments to adopted code

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 2. (a) Section 4. Reference Codes, Standards, and Specifications. Delete the first paragraph and substitute the following: Section 4. is not adopted as part of this code, however, the referenced standards are deemed to be accepted practice.

(b) Rule 111.10 Access to Hoistways for Emergency Purposes is changed by adding a new subparagraph (d) as follows: Elevators installed in single hoistways shall be provided with a hoistway door unlocking device at each landing. Elevators installed in multiple hoistways shall be provided with a hoistway door unlocking device for at least one (1) elevator at each landing.

(c) Rule 200.2a Requirements for Steel, Where Used is changed to read as follows: (2) Bolts which conform to ANSI/ASTM A307 are deemed acceptable; (3) Rivets which conform to ANSI/ASTM A502 are deemed acceptable.

(d) Rule 204.3b Openings in Car Tops, add a second sentence as follows: Such emergency exit shall be provided with electric

contacts conforming to Rule 111.5, and so located as to be inaccessible from the inside of the car.

(e) Rule 207.3 Capacity and Data Plates, add a new subparagraph as follows: 207.3d No Smoking Signs. A sign having a principal stroke of not less than one-eighth inch (1/8") lettering reading "No Smoking", or the international symbol for no smoking shall be installed in a conspicuous position inside each passenger elevator car.

(f) Rule 211.3b Smoke Detectors, delete the second paragraph and substitute as follows: No device, other than the Phase I switch (Rule 211.3a) or detectors required by this Rule (211.3b) and 675 IAC 13, Indiana Building Code, shall initiate Phase I operation.

(g) Rule 211.3d Switch Keys, delete the "Note" and add to the first paragraph as follows: The emergency operation keys, machine room door keys, and hoistway door unlocking devices shall be placed in a heavy metal enclosure. All such keys shall be clearly identified. The enclosure shall be clearly identified. The enclosure shall be conspicuously located and identified by a sign stating "For Emergency Use Only". All such enclosures shall be equipped with a seven (7) pin cylindrical lock opened by a common key SI-2. Only fire officials and general elevator inspectors shall be permitted to retain keys for such enclosures.

(h) Part V Private Residence Elevators excepting Rule 501.2 Car Enclosure, is deleted in its entirety and the following is substituted therefor: Private residence elevators are not regulated by the Division of Elevator Safety. Such installations made in private residences, including condominium units, are exempt from the permit and inspection requirements of 675 IAC 21-1. However, the provisions of Part V are recommended for use in such installations. Rule 501.2 is applicable only to installations covered by the exception to Rule 2000.7a.

(i) Rule 902.1 Protection Required is changed to read as follows: Where a moving walk pierces a building floor, the opening shall be protected against the passage of flame, heat, and/or smoke in accordance with the provisions of 675 IAC 13, the Indiana Building Code.

(j) Rule 1001.1 Inspection and Test Periods, add an exception to read as follows:

EXCEPTION: The routine inspection for passenger elevators may be performed at intervals not longer than one (1) year during the five (5) year period of service following issuance of the initial operating permit. In such case, the inspection and test requirements of Rule 1001.2 shall be combined with the one (1) year inspection and test requirements of Rule 1002.2.

(k) Rule 1005.3 Three Year Inspection and Tests, delete and substitute as follows: No Requirements.

(l) Rule 1010.2 Private Residence Elevators and Lifts, delete and substitute as follows: No Requirements.

(m) Rule 1900.6d Openings of Hoistway Doors or Gates from the Landing Side is changed to read as follows:

(1) Delete the first sentence in paragraph one and substitute as follows: Hoistway doors or gates shall be provided with means that will latch the doors or gates mechanically so that they cannot be opened from the landing side, conforming to the requirements of Rule 1901.1.

(2) Delete the first sentence in paragraph two and substitute as follows: Hoistway doors shall be provided with one of the following:

(A) interlocks conforming to the requirements of Rule 111.3j; or

(B) combination mechanical locks and electric contacts conforming to the requirements of Rule 111.4.

(n) Rule 2000.7a Limitation of Load, Speed, and Travel, add an exception to read as follows:

EXCEPTION: The travel may extend to thirty feet (30') and may penetrate a floor providing the car enclosure requirements of Rule 501.2 are met.

(o) Rule 2001.6e Obstruction Devices, add two sentences to read as follows: The lift may operate in the direction away from the obstruction. The underside obstruction device shall stop the lift only when the lift is obstructed while traveling in the down direction.

(p) Part XXI Private Residence Inclined Stairway, Chairlifts, and Inclined and Vertical Wheelchair Lifts, including Rules 2100 through 2102, is deleted in its entirety and the following is substituted therefor: Private residence inclined stairway chairlifts and inclined and vertical wheelchair lifts are not regulated by the Division of Elevator Safety. Such installations made in private residences, including condominium units, are exempt from the permit and inspection requirements of 675 IAC 21-1. However, the provisions of Part XXI are recommended for use in such installations. (*Fire Prevention and Building Safety Commission; 675 IAC 21-3-2; filed Aug 30, 1985, 11:52 a.m.: 9 IR 41, eff Oct 1, 1985; filed Nov 14, 1986, 9:22 a.m.: 10 IR 873, eff Jan 1, 1987; filed Sep 27, 1989, 4:30 p.m.: 13 IR 288; filed Feb 23, 1995, 11:00 a.m.: 18 IR 1832; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 21-3-3 Classification and availability of rule (Repealed)

Sec. 3. (*Repealed by Fire Prevention and Building Safety Commission; filed Sep 27, 1989, 4:30 p.m.: 13 IR 290*)

Rule 4. Personnel Hoists

675 IAC 21-4-1 Adoption by reference

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 1. That certain document, being titled as ANSI A 10.4-1981, Safety Requirements for Personnel Hoists, published by the American National Standards Institute, 1430 Broadway, New York, New York 10018, be and the same is hereby adopted by reference and made a part of this section as if fully set out herein, save and except those additions, deletions and amendments as are made in the following sections of this rule (675 IAC 21-4). (*Fire Prevention and Building Safety Commission; 675 IAC 21-4-1; filed Aug 30, 1985, 11:52 am: 9 IR 42, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 21-4-2 Amendments to adopted standard

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 2. (a) Section 6.2 Door Locking Devices, add a new sentence at the end of the first paragraph as follows: Every landing door shall be provided with an electric contact device to prevent operation of the hoist when the mechanical locking device is in an unlocked position.

(b) Section 30 Revision of American National Standards referred to in this document, is deleted in its entirety. (*Fire Prevention and Building Safety Commission; 675 IAC 21-4-2; filed Aug 30, 1985, 11:52 am: 9 IR 42, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 21-4-3 Classification and availability of rule (Repealed)

Sec. 3. (*Repealed by Fire Prevention and Building Safety Commission; filed Sep 27, 1989, 4:30 p.m.: 13 IR 290*)

Rule 5. Manlifts

675 IAC 21-5-1 Adoption by reference

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 1. That certain document, being titled as ANSI A 90.1-1985, Safety Standard for Belt Manlifts, published by the American Society of Mechanical Engineers, 345 East 47th Street, New York, New York 10017, be and the same is hereby adopted by reference and made a part of this section as if fully set out herein, save and except section 1.4 Exceptions which is deleted in its entirety. (*Fire Prevention and Building Safety Commission; 675 IAC 21-5-1; filed Aug 30, 1985, 11:52 a.m.: 9 IR 43, eff Oct 1, 1985; filed Sep 27, 1989, 4:30 p.m.: 13 IR 290; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 21-5-2 Classification and availability of rule (Repealed)

Sec. 2. (*Repealed by Fire Prevention and Building Safety Commission; filed Sep 27, 1989, 4:30 p.m.: 13 IR 290*)

Rule 6. Sewage Lift Station Personnel Hoists

675 IAC 21-6-1 Applicability of rule

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 1. This rule (675 IAC 21-6) shall apply only to sewage lift station personnel hoists. Such lifts shall not be accessible to or used by persons other than employees of the owner or operator of a sewage lift station. (*Fire Prevention and Building Safety*

Commission; 675 IAC 21-6-1; filed Aug 30, 1985, 11:52 am: 9 IR 43, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 21-6-2 General requirements

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 2. The following general requirements shall apply to these lifts:

- (1) The installation shall have a posted capacity of three hundred (300) pounds with a factor of safety of four (4).
- (2) The rated speed shall not exceed thirty-five (35) feet per minute (fpm).
- (3) Except where specifically permitted, no part of the installation shall be made of cast iron.
- (4) No freight of any type shall be conveyed on these lifts. No tools except those which can be safely carried by workmen in tool belts or tool aprons shall be permitted on the lift.

(Fire Prevention and Building Safety Commission; 675 IAC 21-6-2; filed Aug 30, 1985, 11:52 am: 9 IR 43, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 21-6-3 Driving devices

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 3. The driving means shall be limited to one of the following:

- (1) winding drum;
- (2) chain sprocket;
- (3) rack and pinion;
- (4) screw drive;
- (5) direct hydraulic;
- (6) roped hydraulic.

(Fire Prevention and Building Safety Commission; 675 IAC 21-6-3; filed Aug 30, 1985, 11:52 am: 9 IR 43, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 21-6-4 Lift platforms; design and construction

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 4. The following requirements shall apply to the lift platform:

- (1) The effective platform shall not exceed five (5) square feet nor be less than four (4) square feet.
- (2) All parts of the platform including all components on the platform shall be made of metal.
- (3) The clearance around all sides of the platform shall be not less than four inches (4") at any point of travel except at floor landings and except when the platform is placed in a smooth surface hoistway enclosure.
- (4) Where the platform is in a smooth surface hoistway enclosure, the clearance between the platform, hoistway enclosure, landing sills and any other obstruction shall not be less than three-fourth inch (3/4").
- (5) The distance between platform at bottom of travel and bottom landing shall not exceed twenty inches (20").
The landing shall be reasonably free of hazards.
- (6) The platform shall be installed adjacent to a ladder.
- (7) The platform shall be hinged on the side opposite the ladder and swing in the up direction away from the ladder. An electric contact switch shall be installed on the platform and arranged to prevent movement of the platform when the platform is raised. A catch shall securely hold the platform in the raised position.
- (8) The platform shall be so designed to allow reasonable access to the ladder from the platform.
- (9) A pressure type safety switch shall cover the entire bottom of the platform. This switch shall open the down travel circuit when a force of four (4) pounds or more is applied to any point on the bottom of this platform safety switch.

(Fire Prevention and Building Safety Commission; 675 IAC 21-6-4; filed Aug 30, 1985, 11:52 am: 9 IR 43, eff Oct 1, 1985;

readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 21-6-5 Lift platforms; installation

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 5. These lifts may be installed in the entrance of the sewage lift station. Where so installed, the following shall apply:
(1) When top entrance is above grade level, the vertical clearance above the entrance shall not be less than six and one-half feet (6 1/2').

(2) The top entrance for hoist shall be provided with an overlapping hinged cover which swings in the direction of exit from the sewage lift station.

(3) The top entrance for these lifts shall be protected with a forty-two inch (42") railing with an intermediate railing. A six inch (6") toe board shall be provided at bottom of the railing.

The entrance shall be provided with a self-closing gate and open in the direction of exit from the entrance. The gate shall be equipped with a latch.

The entire railing and gate shall be of metal construction of sufficient strength to withstand anticipated stresses and to be properly anchored.

(Fire Prevention and Building Safety Commission; 675 IAC 21-6-5; filed Aug 30, 1985, 11:52 am: 9 IR 44, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 21-6-6 Railings

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 6. Each landing shall be protected on sides not used for entrance or exit by a wall or a railing. Railings shall be forty-two inches (42") high with an intermediate railing. A six inch (6") toe board shall be provided at bottom of railing.

The entire railing shall be of metal construction of sufficient strength to withstand anticipated stresses and to be properly anchored. *(Fire Prevention and Building Safety Commission; 675 IAC 21-6-6; filed Aug 30, 1985, 11:52 am: 9 IR 44, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 21-6-7 Guide rails

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 7. The following requirements shall apply to platform guide rails:

(1) Guide rails shall be made of steel and may be the side rails of the adjacent ladder.

(2) Guide rails shall be of sufficient strength and properly bracketed to the wall to withstand application of the platform safeties and rated load with no deflection over one-fourth inch (1/4") without failure.

(3) Two (2) guide rails shall be provided.

(4) The guide rails shall be properly aligned and have flush joints.

(5) The guide rails shall be of sufficient length to allow overtravel of the platform.

(6) At both terminal landings, both guide rails shall be provided with stops to prevent travel in excess of the permitted overtravel of the platform.

(Fire Prevention and Building Safety Commission; 675 IAC 21-6-7; filed Aug 30, 1985, 11:52 am: 9 IR 44, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 21-6-8 Platform safety equipment

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 8. All platforms except those having screw drive and direct plunger hydraulic driving means shall be equipped with a

platform safety and shall comply with the following:

- (1) The safety may be of the inertia type or may be operated by a speed governor. If operated by a speed governor, the governor tripping speed shall not exceed seventy-five feet (75') per minute. The governor shall not be located on the platform and shall be so arranged to prevent damage. There shall also be sufficient space for its operation.
- (2) The safeties shall apply equally to both guide rails and shall be mechanically applied.
- (3) The safeties shall be equipped with a driving means power cut off switch arranged to function when safeties are applied.
- (4) Forged, cast or welded parts shall be stress relieved.

(Fire Prevention and Building Safety Commission; 675 IAC 21-6-8; filed Aug 30, 1985, 11:52 am; 9 IR 44, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 21-6-9 Electrical controls

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 9. The following electrical control requirements shall apply:

- (1) All electrical equipment shall comply with the Indiana Electrical Code (675 IAC 17).
- (2) All electrical equipment shall be so arranged to allow reasonable access for inspection and repair.
- (3) A fused mainline disconnect switch or circuit breaker shall be provided in the power supply line and shall be located near the controller.
- (4) Permanent and protected lighting of at least ten (10) foot candles shall be provided to allow use, inspection and maintenance of the hoist equipment.
- (5) Polyphase electric motors shall be equipped with phase failure and phase reversal protection.
- (6) There shall be no electrical circuits where completion or maintenance of the circuit is necessary to stop the driving means or to apply any component whose function is to provide for the safe operation of the lift.
- (7) Upper and lower terminal landings shall have directional stopping devices operated by stationary cams on the platform. These switches shall stop the platform at terminal landings. Directional stopping devices shall allow reversing of the direction of travel.
- (8) A contact switch shall be provided for the top entrance opening so arranged to prevent the operation of the hoist in the up direction when the entrance is closed.
- (9) Operation controls at landings shall be of the continuous pressure type.
- (10) The operating controls on the platform shall be of the two (2) hand type equipped with continuous pressure switches. The face of the buttons shall not project beyond the button plate.
- (11) An emergency stop button so identified shall be provided on the platform and be located near operating controls. The stop button shall be manually opened and manually closed.
- (12) Final stopping devices shall be provided and shall stop the platform in both directions of travel. These devices shall stop the platform when crosshead is six inches (6") or more from any obstruction or when the clearance below the platform is six inches (6") or more. Maximum overtravel in either direction shall not exceed six inches (6").
- (13) The terminal stopping devices and the final stopping devices shall not control the same switches on the controller unless two (2) or more separate and independent switches are provided, two (2) of which shall be closed to complete the motor and the brake circuit in each direction of travel.
- (14) Switches, contacts or relays used in circuits which provide for the safe operation of the installation shall use only actuating springs under compression.
- (15) The failure of any single magnetically operated switch, relay or contact to release as designed, or the occurrence of any single ground shall not permit the installation to operate.
- (16) A single ground or a short circuit, a counter voltage or a motor field discharge shall not prevent the application of the brake when operating controls are in the stop position.
- (17) The underside of any projection within fifteen (15) inches of the platform or opening in platform's path of travel shall be protected by a pressure release safety ring. The safety ring shall stop the driving means when a force of not more than two (2) pounds is applied on the ring in the up direction of platform travel.

(Fire Prevention and Building Safety Commission; 675 IAC 21-6-9; filed Aug 30, 1985, 11:52 am; 9 IR 45, eff Oct 1, 1985; errata, 9 IR 524; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 21-6-10 Driving devices; general requirements

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 10. The following requirements apply to the driving means:

- (1) All components of the driving means shall be securely supported and properly maintained to minimize failures from loads imposed in normal service.
- (2) Reasonable access shall be provided for inspection and maintenance of parts of the driving means.
- (3) Friction gearing or clutches shall not be used to couple motors to the driving means. Such motors shall be directly coupled. The installation of belt drive or chain drive machines is prohibited.
- (4) All gears, sprockets and pinch points of chains and wire ropes shall be protected by substantial guards to prevent accidental contact and injury.
- (5) A mechanically applied brake which is electrically released shall be applied to the motor shaft of all driving means except direct plunger hydraulic driving means. The brake shall stop and hold the hoist with rated load.
- (6) No coupling arrangements subject to torque or tension shall be coupled with set screws. Such coupling shall use pins or keys.
- (7) Lifting devices using wire rope or chains shall be equipped with slack cable devices equipped with a contact switch which will open the motor control circuit and set the brake when wire ropes or chains become slack.
- (8) The operation of any safety device shall open motor control circuit and set the brake.
- (9) Screw driving means and hydraulic driving means shall comply with the code adopted by reference in 675 IAC 21-3.

(Fire Prevention and Building Safety Commission; 675 IAC 21-6-10; filed Aug 30, 1985, 11:52 am: 9 IR 45, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 21-6-11 Driving devices; drum and wire rope requirements

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 11. The following requirements shall apply to driving means using a drum and wire rope:

- (1) All driving means shall have a minimum of two (2) wire ropes each separately attached to the platform and the drum.
- (2) Winding drums and overhead sheaves shall be of cast iron or steel.
- (3) All drum and sheave grooves shall be machined.
- (4) There shall be a sufficient number of grooves on the drum to allow separate grooves for each turn of the drum. Overlapping of ropes shall not be permitted.
- (5) All wire rope anchored to winding drum shall have one (1) full turn on the drum when platform reaches the overtravel distance permitted at terminal lower landing.
- (6) The platform ends of wire ropes shall be secured by return loop clamps or by tapered babbitted sockets. Babbitted sockets and method of babbitting shall conform to the code adopted by reference in 675 IAC 21-3. U-bolt clamps shall not be used.
- (7) A final terminal stopping device shall be directly attached to the drum. This device shall prevent overtravel in both directions of travel when overtravel distance is reached.
- (8) The wire rope used shall be at least one-fourth inch (1/4") steel or iron elevator rope or three-sixteenths inch (3/16") aircraft cable. Tiller rope shall not be used. The rope shall have a minimum breaking strength of 1800 pounds.
- (9) Minimum sheave and drum diameters shall be thirty (30) times rope diameter except 8 × 19 elevator wire rope and 7 × 19 aircraft cable may be reduced to twenty-one (21) times the diameter of the rope.
- (10) The winding drum ends of wire ropes shall be secured inside the drum as specified by the code adopted by reference in 675 IAC 21-3.
- (11) No wire rope used by the lifting means shall be repaired or lengthened by splicing. When one (1) cable requires replacement, the entire set of ropes shall be replaced.

(Fire Prevention and Building Safety Commission; 675 IAC 21-6-11; filed Aug 30, 1985, 11:52 am: 9 IR 46, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 21-6-12 Driving devices; chain requirements

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 12. The following requirements shall apply to driving means using chains:

- (1) Driving machine chains and sprockets shall be of steel and of acceptable design.
- (2) The length of chain shall be at least six inches (6") greater than travel distance of platform and allowed overtravel beyond terminal landing.
- (3) All chain driving means shall have a minimum of two (2) chains and the breaking strength shall be a minimum of 1800 pounds.
- (4) At the time chains are installed, a metal tag shall be attached to the platform end of the chain. This tag shall show:
 - (A) date of installation;
 - (B) manufacturer of the chain;
 - (C) manufacturer's identification of chain;
 - (D) pitch of the chain.
- (5) Annually, the chain pitch shall be measured. The chain pitch shall not exceed one percent (1%) of the original pitch measured over one hundred (100) links picked at random at any three (3) points.

(Fire Prevention and Building Safety Commission; 675 IAC 21-6-12; filed Aug 30, 1985, 11:52 am: 9 IR 46, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 21-6-13 Capacity and data plates

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 13. Capacity and data plates shall be permanently and securely fastened to crosshead of the platform. If no crosshead, it shall be posted on the platform.

A capacity plate shall be conspicuously posted on the platform.

The following information shall be displayed on the data plate:

- (1) Manufacturer's name and date of installation.
- (2) Rated speed and rated load.
- (3) Wire rope data or if chain suspension is used, type and pitch of chain required.

(Fire Prevention and Building Safety Commission; 675 IAC 21-6-13; filed Aug 30, 1985, 11:52 am: 9 IR 46, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

Rule 7. Handpowered Personnel Hoists

675 IAC 21-7-1 Applicability of rule

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 1. This rule shall apply to handpowered personnel hoists. These installations shall not be used by or be accessible to the general public. *(Fire Prevention and Building Safety Commission; 675 IAC 21-7-1; filed Aug 30, 1985, 11:52 am: 9 IR 47, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 21-7-2 Rated capacity and safety factor

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 2. The installation shall have a posted capacity of three hundred (300) pounds with a factor of safety of four (4). *(Fire Prevention and Building Safety Commission; 675 IAC 21-7-2; filed Aug 30, 1985, 11:52 am: 9 IR 47, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 21-7-3 Car platform construction

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 3. The car platform shall have an area of four (4) square feet and may be constructed of wood or steel. *(Fire Prevention and Building Safety Commission; 675 IAC 21-7-3; filed Aug 30, 1985, 11:52 am: 9 IR 47, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 21-7-4 Car enclosure construction

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 4. Except for the entrance, the car shall be fully enclosed (top and all sides) with not less than No. 16 gauge sheet steel. *(Fire Prevention and Building Safety Commission; 675 IAC 21-7-4; filed Aug 30, 1985, 11:52 am: 9 IR 47, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 21-7-5 Support of car; safety plank

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 5. The car shall be supported by a metal sling equipped with a car safety plank on the bottom of the car. *(Fire Prevention and Building Safety Commission; 675 IAC 21-7-5; filed Aug 30, 1985, 11:52 am: 9 IR 47, eff Oct 1, 1985; errata, 9 IR 524; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 21-7-6 Car guide rails

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 6. Wood or steel guide rails shall be provided for the car. Guide rails and wall brackets shall be of sufficient strength to limit deflection to one-fourth inch (1/4") in any direction when full load force is applied to the guide rails. *(Fire Prevention and Building Safety Commission; 675 IAC 21-7-6; filed Aug 30, 1985, 11:52 am: 9 IR 47, eff Oct 1, 1985; errata, 9 IR 524; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 21-7-7 Hoistway enclosures

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 7. Hoistways shall be enclosed to a height of not less than seven feet (7') with solid or perforated noncombustible material, braced to deflect not more than one inch (1") when subject to a force of one hundred (100) lbs. applied horizontally at any point. Open work enclosures shall be of at least #13 steel wire gauge or expanded metal at least #13 U.S. Gauge and shall reject a ball two inches (2") in diameter. Where counterweights pass landings, the landing side shall be of solid construction. Counterweight enclosure, if outside the hoistway, shall be of solid construction with inspection openings provided. *(Fire Prevention and Building Safety Commission; 675 IAC 21-7-7; filed Aug 30, 1985, 11:52 am: 9 IR 47, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 21-7-8 Hoistway gates or doors; car brakes

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 8. Protection for hoistway landing shall be as follows:

(1) Hoistway gates or doors shall be seven feet (7') in height, of metal construction and have solid or open construction. Solid

construction shall comply with the code adopted in 675 IAC 21-3. Open work construction shall reject a ball one inch (1") in diameter. Doors or gates shall be located not more than one and one-half inches (1 1/2") from the landing threshold.

(2) A mechanical latch shall be installed on each landing door or gate and shall be released by a stationary cam on the car so arranged to prevent opening of the gate when the car is away from the landing.

(3) Swing type hoistway doors shall be provided with a positive type door closer, and vertical slide hoistway gates shall be properly counterweighted with enclosed counterweights.

(4) A spring applied brake which is mechanically released shall be installed on the bottom of the car.

The brake shall be applied to both guide rails and be of sufficient capacity to hold the car with contract load.

(Fire Prevention and Building Safety Commission; 675 IAC 21-7-8; filed Aug 30, 1985, 11:52 am: 9 IR 47, eff Oct 1, 1985; errata, 9 IR 524; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 21-7-9 Hoist cables

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 9. A minimum of two (2) steel elevator rope hoist cables shall be provided.

(1) Hoist cables shall be at least three-eighths inch (3/8") in diameter and cable sheaves shall be at least forty (40) cable diameters in diameter. Chains are not permitted.

(2) Hoist cables shall be individually attached to car and counterweights by tapered babbitted rope sockets or clamp type of fastenings. Adjustable shackle rods shall be provided to permit adjustment of rope tension. Where eye bolts are used with clamp type fastenings, proper sized thimbles shall be installed where the cable passes through the eye. A minimum of three (3) clamps spaced three inches (3") apart shall be used for each fastening. "U" bolt type cable clamps shall not be used.

(Fire Prevention and Building Safety Commission; 675 IAC 21-7-9; filed Aug 30, 1985, 11:52 am: 9 IR 48, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 21-7-10 Car safety and safety plank

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 10. An instantaneous type car safety shall be installed on the safety plank of the car. The car safety shall stop a descending car and be so arranged to apply on both guide rails equally and be tripped either by a broken hoist cable or a slack hoist cable. No part of the car safety or the safety plank shall be constructed of cast iron. *(Fire Prevention and Building Safety Commission; 675 IAC 21-7-10; filed Aug 30, 1985, 11:52 am: 9 IR 48, eff Oct 1, 1985; errata, 9 IR 524; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 21-7-11 Compensation weights

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 11. Properly identified compensation weights shall be provided at bottom terminal landing for load compensation.

(1) A safely arranged support in the car shall be provided for attachment of the compensating weights.

(2) The counterweighted load shall be conspicuously posted in the car and load capacity shall be posted in the car.

(3) A sufficient number of properly sized compensating weights shall be provided to compensate for any load between one hundred (100) and two hundred and fifty (250) lbs.

(Fire Prevention and Building Safety Commission; 675 IAC 21-7-11; filed Aug 30, 1985, 11:52 am: 9 IR 48, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 21-7-12 Pull ropes

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 12. The pull rope shall be at least three-quarters inch (3/4") in diameter. (*Fire Prevention and Building Safety Commission; 675 IAC 21-7-12; filed Aug 30, 1985, 11:52 am: 9 IR 48, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 21-7-13 Power attachments prohibited

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 13. Power attachments are prohibited in handpowered personnel hoist installations. (*Fire Prevention and Building Safety Commission; 675 IAC 21-7-13; filed Aug 30, 1985, 11:52 am: 9 IR 48, eff Oct 1, 1985; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

ARTICLE 22. FIRE PREVENTION CODES

Rule 1. Indiana Flammable and Combustible Liquids and Gases Code

675 IAC 22-1-1 Title and purpose of rule

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 1. (a) This rule shall be known as the Indiana Flammable and Combustible Liquids and Gases Code, 1989 edition, and shall be published, except for incorporated documents, by the fire and building services department for general distribution and use under that title.

(b) The purpose of this rule is to establish minimum standards for the prevention of fire or explosion in installations covered therein. (*Fire Prevention and Building Safety Commission; 675 IAC 22-1-1; filed Aug 26, 1985, 4:01 p.m.: 9 IR 54; filed Oct 20, 1989, 5:00 p.m.: 13 IR 393*)

675 IAC 22-1-2 Applicability of rule; existing facilities and equipment

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7-2-4; IC 36-7-8-3

Sec. 2. (a) This rule (675 IAC 22-1) applies to facilities for the storage, handling, and dispensing of flammable and combustible liquids and gases as defined, and within the scope of the standards incorporated by reference herein.

EXCEPTION: This rule (675 IAC 22-1) does not cover:

(1) Transportation of flammable liquids or gases governed by U.S. Department of Transportation rules in Title 49, Code of Federal Regulations (CFR), Parts 171, 172, 173, 177, and 178.

(2) Transportation equipment governed by Title 49, CFR, Parts 390, 391, 392, 393, 395, 396, 397, and 398 (Federal Motor Carrier Safety Regulations).

(b) Existing facilities not in strict compliance with this rule (675 IAC 22-1) may continue in use unless found to be unsafe so as to constitute a recognized hazard to life or adjoining property. An authority having jurisdiction under state law or an ordinance of a local unit of government may determine an unsafe condition to exist because of inadequate ventilation of a confined space, lack of emergency venting of a storage tank, inadequate fire protection of elevated tank supports, inadequate drainage or containment facilities to control spills or leaks, or improper abandonment.

(c) Existing stocks of equipment and appliances on hand in such locations as manufacturer's storage, distribution warehouses, and dealer's storage and showrooms in compliance with the provisions of applicable National Fire Protection Association (NFPA) standard in effect at the time of manufacture may be placed in use (provided such use does not constitute a distinct hazard to life or adjoining property), but all new equipment and appliances manufactured after the effective date of such standards as are incorporated by reference in this rule (675 IAC 22-1) shall comply thereto. (*Fire Prevention and Building Safety Commission; 675 IAC 22-1-2; filed Aug 26, 1985, 4:01 pm: 9 IR 54; errata, 9 IR 525*)

675 IAC 22-1-3 NFPA 30; flammable and combustible liquids code (Repealed)

Sec. 3. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-1-4 NFPA 30A; automotive and marine service station code (Repealed)

Sec. 4. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-1-5 NFPA 33; standard for spray application using flammable and combustible materials (Repealed)

Sec. 5. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

675 IAC 22-1-6 NFPA 52; standard for compressed natural gas (CNG) vehicular fuel systems (Repealed)

Sec. 6. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

675 IAC 22-1-7 NFPA 58; standard for the storage and handling of liquefied petroleum gases (Repealed)

Sec. 7. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

675 IAC 22-1-8 NFPA 59; standard for the storage and handling of liquefied petroleum gases at utility gas plants (Repealed)

Sec. 8. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

675 IAC 22-1-9 NFPA 59A; standard for the production, storage and handling of liquefied natural gas (LNG) (Repealed)

Sec. 9. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

675 IAC 22-1-10 NFPA 395; standard for the storage of flammable and combustible liquids on farms and isolated construction projects (Repealed)

Sec. 10. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-1-11 Authority having jurisdiction; referenced publications

Authority: IC 22-13-2-13

Affected: IC 4-22-2; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 11. (a) Within the standards adopted in this rule (675 IAC 22-1) the term “authority having jurisdiction” shall mean the fire official or building official as defined in the General Administrative Rules (675 IAC 12-1 [675 IAC 12]). Wherever reference is made to NFPA 101, Life Safety Code, within the standards adopted in this rule (675 IAC 22-1), such reference is deleted and a reference to the Indiana Building Code (675 IAC 2 [675 IAC 2 was repealed, filed Nov 13, 1985, 3:15 pm: 9 IR 751. See 675 IAC 13-2.3]) shall be substituted therefor.

(b) Publications referenced within the documents adopted in this rule (675 IAC 22-1), unless specifically adopted by reference in the rules of the commission (675 IAC), are deemed to be accepted practice and supplementary to this rule (675 IAC 22-1) pursuant to and within the limitation of 675 IAC 12-1-7(d)(2) [675 IAC 12-1-7 was repealed, filed Jul 17, 1987, 2:30 pm: 10 IR 2699. See 675 IAC 12-4.]. *(Fire Prevention and Building Safety Commission; 675 IAC 22-1-11; filed Aug 26, 1985, 4:01 pm: 9 IR 56)*

675 IAC 22-1-12 Availability of adopted standards (Repealed)

Sec. 12. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-1-13 NFPA 15; water spray fixed systems for fire protection (Repealed)

Sec. 13. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

675 IAC 22-1-14 NFPA 385; standard for tank vehicles for flammable and combustible liquids (Repealed)

Sec. 14. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

675 IAC 22-1-15 NFPA 386; standard for portable shipping tanks for flammable and combustible liquids (Repealed)

Sec. 15. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

Rule 2. Indiana Fire Prevention Code

675 IAC 22-2-1 Adoption by reference (Repealed)

Sec. 1. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-2 Title; availability (Repealed)

Sec. 2. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-3 Section 1.102(a); intent (Repealed)

Sec. 3. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-4 Section 1.103(b); scope (Repealed)

Sec. 4. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-5 Article 2, Division I; organization and authority (Repealed)

Sec. 5. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-6 Section 2.101; state fire marshal's powers and duties (Repealed)

Sec. 6. *(Repealed by Fire Prevention and Building Safety Commission; filed Jan 5, 1988, 1:30 pm: 11 IR 1576)*

675 IAC 22-2-7 Section 2.102; enforcement (Repealed)

Sec. 7. *(Repealed by Fire Prevention and Building Safety Commission; filed Jan 5, 1988, 1:30 pm: 11 IR 1576)*

675 IAC 22-2-8 Section 2.103; inspections; reports (Repealed)

Sec. 8. *(Repealed by Fire Prevention and Building Safety Commission; filed Jan 5, 1988, 1:30 pm: 11 IR 1576)*

675 IAC 22-2-9 Section 2.105; issuance and service of orders (Repealed)

Sec. 9. *(Repealed by Fire Prevention and Building Safety Commission; filed Jan 5, 1988, 1:30 pm: 11 IR 1576)*

675 IAC 22-2-10 Article 2, Division II, deletion (Repealed)

Sec. 10. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-11 Section 2.301; alternate materials and methods (Repealed)

Sec. 11. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-12 Section 2.302; approvals (Repealed)

Sec. 12. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-13 Standards (Repealed)

Sec. 13. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-14 Section 2.303(e); recognized standards (Repealed)

Sec. 14. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-15 Article 3; compliance with orders and notices (Repealed)

Sec. 15. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-16 Article 4; permits (Repealed)

Sec. 16. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-17 Definitions “A” (Repealed)

Sec. 17. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-18 Definitions “B” (Repealed)

Sec. 18. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-19 Section 9.105; definitions, “C” (Repealed)

Sec. 19. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-20 Definitions “D” (Repealed)

Sec. 20. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-21 Definitions “E” (Repealed)

Sec. 21. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-22 Definitions “F” (Repealed)

Sec. 22. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-23 Definitions “H” (Repealed)

Sec. 23. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-24 Section 9.112; definitions, “J” (Repealed)

Sec. 24. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-25 Section 9.115; definitions, “M” (Repealed)

Sec. 25. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-26 Section 9.117; definitions, “O” (Repealed)

Sec. 26. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-27 Section 9.118; definitions, “P” (Repealed)

Sec. 27. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-28 Section 9.121; definitions, “S” (Repealed)

Sec. 28. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-29 Section 9.123; definitions, “U” (Repealed)

Sec. 29. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-30 Section 9.124; definitions, “V” (Repealed)

Sec. 30. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-31 Article 10, Divisions I and II; general provisions for fire safety (Repealed)

Sec. 31. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-32 Section 10.301(a) and (b); installation (Repealed)

Sec. 32. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-33 Section 10.301(c); water supply (Repealed)

Sec. 33. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-34 Section 10.301(e); approval and testing (Repealed)

Sec. 34. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-35 Section 10.302(a); maintenance (Repealed)

Sec. 35. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-36 Section 10.302(c); obstruction of fire protection equipment (Repealed)

Sec. 36. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-37 Section 10.303(b); halon extinguishers (Repealed)

Sec. 37. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-38 Section 10.305; recreational vehicle and mobile home parks (Repealed)

Sec. 38. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-39 Section 10.306; fire alarm systems (Repealed)

Sec. 39. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-40 Section 10.309; sprinkler system alarms (Repealed)

Sec. 40. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-41 Section 10.310; permissible sprinkler omissions (Repealed)

Sec. 41. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-42 Section 10.311(c); standpipes (Repealed)

Sec. 42. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-43 Section 10.314(d); portable extinguishers (Repealed)

Sec. 43. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-44 Article 11, Division I; incinerators and open burning (Repealed)

Sec. 44. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-45 Section 11.101; regulatory board (Repealed)

Sec. 45. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-46 Section 11.102; discarding burning objects (Repealed)

Sec. 46. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-47 Section 11.103; hot ashes and other dangerous materials (Repealed)

Sec. 47. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-48 Section 11.202; handling of readily combustible materials (Repealed)

Sec. 48. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-49 Section 11.203(a); permit required (Repealed)

Sec. 49. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-50 Flammable decorative materials (Repealed)

Sec. 50. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-51 Section 11.208; parade floats (Repealed)

Sec. 51. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-52 Section 11.210; interior finishes (Repealed)

Sec. 52. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-53 Section 11.302(b); false alarms (Repealed)

Sec. 53. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-54 Section 11.404(a); heating appliance (Repealed)

Sec. 54. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-55 Section 11.410; open-flame devices in marinas (Repealed)

Sec. 55. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-56 Section 12.101; exits; scope (Repealed)

Sec. 56. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-57 Section 12.103(a); obstruction of exits (Repealed)

Sec. 57. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-58 Section 12.104; doors (Repealed)

Sec. 58. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-59 Section 12.106(e); stairway numbering system (Repealed)

Sec. 59. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-60 Section 12.113(b); illumination of exits (Repealed)

Sec. 60. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-61 Section 12.114; exit signs (Repealed)

Sec. 61. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-62 Section 12.115; fire escapes (Repealed)

Sec. 62. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-63 Section 12.116; emergency signs for Group R occupancies (Repealed)

Sec. 63. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-64 Section 13.102; smoking (Repealed)

Sec. 64. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-65 Section 13.103; “no smoking” signs (Repealed)

Sec. 65. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-66 Section 24.101; scope (Repealed)

Sec. 66. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-67 Section 24.102; permits (Repealed)

Sec. 67. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-68 Section 24.105; application of flammable or combustible liquid finishes (Repealed)

Sec. 68. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-69 Section 24.107; drip pans (Repealed)

Sec. 69. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-70 Section 24.108; open flames (Repealed)

Sec. 70. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-71 Section 24.112; combustible storage (Repealed)

Sec. 71. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-72 Section 24.113; portable extinguishers (Repealed)

Sec. 72. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-73 Section 24.121; regulations not covered (Repealed)

Sec. 73. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-74 Section 24.201; construction of refueler units (Repealed)

Sec. 74. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-75 Section 24.202; use of refueler units (Repealed)

Sec. 75. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-76 Section 24.203; fueling and defueling (Repealed)

Sec. 76. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-77 Section 24.206; maintenance (Repealed)

Sec. 77. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-78 Section 25.101; assembly places; scope (Repealed)

Sec. 78. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-79 Section 25.103; decorative materials (Repealed)

Sec. 79. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-80 Section 25.106(b); Group A, division 2, 2.1, and 3 occupancies (Repealed)

Sec. 80. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-81 Section 25.108(c); seat spacing (Repealed)

Sec. 81. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-82 Section 25.112; plan exits and aisles (Repealed)

Sec. 82. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-83 Section 25.114(b); occupancy load (Repealed)

Sec. 83. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-84 Section 25.116(a); candles and other open-flame devices (Repealed)

Sec. 84. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-85 Section 25.117; standby personnel (Repealed)

Sec. 85. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-86 Article 25, Division 4; carnivals and fairs (Repealed)

Sec. 86. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-87 Section 25.401; carnivals and fairs; applicability (Repealed)

Sec. 87. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-88 Grounds (Repealed)

Sec. 88. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-89 Section 25.403; concession stands (Repealed)

Sec. 89. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-90 Section 25.404; internal combustion power sources (Repealed)

Sec. 90. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-91 Section 25.405; flammable liquids and gases (Repealed)

Sec. 91. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-92 Section 25.501; haunted houses and similar temporary installations (Repealed)

Sec. 92. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-93 Article 25, Division VI; liquid or gas fueled equipment in assembly buildings (Repealed)

Sec. 93. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-94 Section 25.601; temporary displays (Repealed)

Sec. 94. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-95 Section 25.602; competitions or demonstrations (Repealed)

Sec. 95. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-96 Section 26.102; permits (Repealed)

Sec. 96. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-97 Section 27.102; permits (Repealed)

Sec. 97. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-98 Section 27.104; storage and handling (Repealed)

Sec. 98. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-99 Section 28.102; permits (Repealed)

Sec. 99. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-100 Section 28.105; storage of agricultural products (Repealed)

Sec. 100. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-101 Section 29.102; permits (Repealed)

Sec. 101. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-102 Section 30.101; permits (Repealed)

Sec. 102. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-103 Section 30.102; open yard storage (Repealed)

Sec. 103. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-104 Section 30.103(a); fire hazards in lumber yards (Repealed)

Sec. 104. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-105 Section 30.104(b); fire-extinguishing equipment in open yards and buildings (Repealed)

Sec. 105. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-106 Section 30.105(b); woodworking plants (Repealed)

Sec. 106. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-107 Section 31.102; permits (Repealed)

Sec. 107. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-108 Section 32.101; permits (Repealed)

Sec. 108. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-109 Section 32.104(e); location of tents and air-supported structures (Repealed)

Sec. 109. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-110 Section 32.105; structural stability of tents and air-supported structures (Repealed)

Sec. 110. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-111 Section 32.106; flame-retardant material (Repealed)

Sec. 111. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-112 Section 32.107; fire-resistive standards (Repealed)

Sec. 112. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-113 Section 32.108; smoking; open flames (Repealed)

Sec. 113. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-114 Section 32.109; fire protection equipment (Repealed)

Sec. 114. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-115 Section 32.111; abatement of fire or panic hazards not covered in this rule (Repealed)

Sec. 115. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-116 Section 32.112(h); exits (Repealed)

Sec. 116. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-117 Section 32.118(a); heating and cooking equipment (Repealed)

Sec. 117. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-118 Section 32.120(b); storage of flammable materials (Repealed)

Sec. 118. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-119 Section 33.102; permits (Repealed)

Sec. 119. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-120 Section 34.102; permits (Repealed)

Sec. 120. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-121 Section 34.104; burning of wrecked or discarded vehicles (Repealed)

Sec. 121. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-122 Section 34.108; storage of flammable and combustible liquids (Repealed)

Sec. 122. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-123 Section 35.102; permits (Repealed)

Sec. 123. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-124 Section 35.103; special provisions (Repealed)

Sec. 124. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-125 Section 36.102; permits (Repealed)

Sec. 125. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-126 Article 37; educational and institutional fire drills (Repealed)

Sec. 126. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-127 Section 37.101; drills required (Repealed)

Sec. 127. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-128 Section 37.102; frequency of drills (Repealed)

Sec. 128. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-129 Section 37.103; records of drills (Repealed)

Sec. 129. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-130 Section 37.104; evacuations (Repealed)

Sec. 130. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-131 Section 45.101; spraying, dipping, and coating operations; scope (Repealed)

Sec. 131. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-132 Section 45.102; permits (Repealed)

Sec. 132. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-133 Section 45.103; smoking prohibited (Repealed)

Sec. 133. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-134 Section 45.104; welding, grinding, or open flame; warning sign (Repealed)

Sec. 134. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-135 Section 45.207; limited spraying areas (Repealed)

Sec. 135. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-136 Section 45.209(b); fire protection equipment (Repealed)

Sec. 136. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-137 Section 45.304; storage and handling of flammable and combustible liquids (Repealed)

Sec. 137. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-138 Section 45.306; operations and maintenance (Repealed)

Sec. 138. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-139 Section 45.307(a); fire extinguishing equipment (Repealed)

Sec. 139. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-140 Section 45.401(d); guards and signs (Repealed)

Sec. 140. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-141 Section 45.501(a); automobile undercoating spray operations (Repealed)

Sec. 141. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-142 Section 45.604; ventilation (Repealed)

Sec. 142. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-143 Section 45.707; personnel qualifications (Repealed)

Sec. 143. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-144 Section 46.102; permits (Repealed)

Sec. 144. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-145 Section 46.103(a); use of ethylene (Repealed)

Sec. 145. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-146 Section 47.102; permits (Repealed)

Sec. 146. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-147 Section 48.102; permits (Repealed)

Sec. 147. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-148 Section 49.101; general requirements (Repealed)

Sec. 148. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-149 Section 49.109(c); calcium carbide storage (Repealed)

Sec. 149. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-150 Section 50.103; permits (Repealed)

Sec. 150. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-151 Section 50.113(a); fire protection (Repealed)

Sec. 151. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-152 Section 51.102; definitions (Repealed)

Sec. 152. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-153 Section 51.103; permits (Repealed)

Sec. 153. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-154 Section 51.108(b); handling hazardous materials within exit corridors (Repealed)

Sec. 154. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-155 Section 51.111(a); emergency plans (Repealed)

Sec. 155. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-156 Section 61.106; portable unvented oil-burning heaters (Repealed)

Sec. 156. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-157 Section 62.101; industrial baking and drying ovens (Repealed)

Sec. 157. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-158 Section 62.102; permits and plans (Repealed)

Sec. 158. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-159 Section 62.105(a); safety controls (Repealed)

Sec. 159. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-160 Section 63.101; refrigeration systems; scope (Repealed)

Sec. 160. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-161 Section 63.103; permits (Repealed)

Sec. 161. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-162 Section 63.106; operating and emergency instructions (Repealed)

Sec. 162. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-163 Section 63.107; emergency signs and labels (Repealed)

Sec. 163. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-164 Section 63.108; diffusion systems (Repealed)

Sec. 164. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-165 Article 64; unvented fuel-burning portable heaters (Repealed)

Sec. 165. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-166 Section 64.101; scope of article (Repealed)

Sec. 166. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-167 Section 64.102; prohibited use (Repealed)

Sec. 167. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-168 Section 64.103; use in detached single family residences (Repealed)

Sec. 168. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-169 Section 64.104; temporary use (Repealed)

Sec. 169. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-170 Section 74.103; permits (Repealed)

Sec. 170. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-171 Section 74.104; storage containers (Repealed)

Sec. 171. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-172 Section 74.105; compressed gas cylinders (Repealed)

Sec. 172. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-173 Section 74.106; bulk oxygen systems (Repealed)

Sec. 173. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-174 Section 74.107(a); storage and use of cylinders (Repealed)

Sec. 174. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-175 Section 74.109; operation instructions and maintenance of bulk oxygen systems (Repealed)

Sec. 175. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-176 Division 2; medical (Repealed)

Sec. 176. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-177 Section 75.103; permits (Repealed)

Sec. 177. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-178 Section 75.104; cryogenic fluid containers, equipment, and devices (Repealed)

Sec. 178. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-179 Section 75.105(b); electrical equipment (Repealed)

Sec. 179. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-180 Section 75.107; warning labels and signs (Repealed)

Sec. 180. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-181 Section 75.108; dispensing areas (Repealed)

Sec. 181. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-182 Section 75.201; container design, construction, and testing (Repealed)

Sec. 182. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-183 Section 75.205; nameplates (Repealed)

Sec. 183. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-184 Section 75.402(c); valves and accessory equipment (Repealed)

Sec. 184. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-185 Section 76.102; applicable standards (Repealed)

Sec. 185. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-186 Section 76.103(g); general requirements (Repealed)

Sec. 186. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-187 Scope (Repealed)

Sec. 187. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-188 Section 77.102; exceptions (Repealed)

Sec. 188. *(Repealed by Fire Prevention and Building Safety Commission; filed Jan 5, 1988, 1:30 pm: 11 IR 1576)*

675 IAC 22-2-189 Section 77.104, deletion (Repealed)

Sec. 189. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-190 Insurance (Repealed)

Sec. 190. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-191 Section 77.106; explosives manufacture (Repealed)

Sec. 191. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-192 Storage of explosives (Repealed)

Sec. 192. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-193 Table No. 77.201 (Repealed)

Sec. 193. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-194 Gunpowder storage/magazines (Repealed)

Sec. 194. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-195 Gunpowder (Repealed)

Sec. 195. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-196 Section 77.204, deletion (Repealed)

Sec. 196. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-197 Section 77.301; handling and use of explosives (Repealed)

Sec. 197. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-198 Transportation of explosives (Repealed)

Sec. 198. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-199 Section 77.303(e); explosives and blasting agents at terminals (Repealed)

Sec. 199. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-200 Blasting agents; general (Repealed)

Sec. 200. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-201 Mixed blasting agents (Repealed)

Sec. 201. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-201.5 Transportation of blasting agents (Repealed)

Sec. 201.5. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-202 Section 77.307; seizure of explosives and blasting agents (Repealed)

Sec. 202. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-203 Location of explosive detonations for testing (Repealed)

Sec. 203. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-203.5 Alternative criteria for explosive laboratory operations (Repealed)

FIRE PREVENTION AND BUILDING SAFETY COMMISSION

Sec. 203.5. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-204 Section 77.410(a); disposal of waste explosives and fireworks (Repealed)

Sec. 204. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-205 Section 78.102; permits for manufacture, distribution, sale, and display of fireworks (Repealed)

Sec. 205. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-206 Section 78.103; certificate of insurance for public display (Repealed)

Sec. 206. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-207 Section 78.106; seizure of fireworks (Repealed)

Sec. 207. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-208 Section 78.107; public display of fireworks (Repealed)

Sec. 208. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-209 Section 79.101; bulk storage and dispensing of flammable and combustible liquids and gases; scope (Repealed)

Sec. 209. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-210 Section 79.103; permits (Repealed)

Sec. 210. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-211 Section 79.104; portable tanks and containers (Repealed)

Sec. 211. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-212 Section 79.105; design and construction of tanks (Repealed)

Sec. 212. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-213 Section 79.106; change of tank contents (Repealed)

Sec. 213. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-214 Section 79.108(a); warning signs (Repealed)

Sec. 214. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-215 Section 79.111; cleaning with Class I and Class II flammable liquids (Repealed)

Sec. 215. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-216 Section 79.114; out-of-service tanks (Repealed)

Sec. 216. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-217 Section 79.115; fire protection standards (Repealed)

Sec. 217. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-218 Article 79, Division II; containers and portable tanks inside buildings (Repealed)

Sec. 218. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-219 Article 79, Division III; stationary tanks inside buildings (Repealed)

Sec. 219. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-220 Article 79, Division IV; containers and portable tanks outside buildings (Repealed)

Sec. 220. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-221 Section 79.401; applicable standards (Repealed)

Sec. 221. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-222 Section 79.402; location on property; protection of storage areas (Repealed)

Sec. 222. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-223 Section 79.403; fencing; weeds and debris (Repealed)

Sec. 223. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-224 Section 79.404; warning signs (Repealed)

Sec. 224. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-225 Section 79.405; outside dispensing (Repealed)

Sec. 225. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-226 Section 79.406; storage of empty containers and tanks (Repealed)

Sec. 226. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-227 Section 79.407; fire protection (Repealed)

Sec. 227. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-228 Article 79, Division V; aboveground stationary tanks outside buildings (Repealed)

Sec. 228. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-229 Section 79.501; applicable standards (Repealed)

Sec. 229. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-230 Section 79.502; location restrictions (Repealed)

Sec. 230. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-231 Section 79.503; tank labels (Repealed)

Sec. 231. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-232 Section 79.504; fire protection (Repealed)

Sec. 232. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-233 Article 79, Division VI; underground tanks outside or beneath buildings (Repealed)

Sec. 233. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-234 Section 79.601; applicable standards (Repealed)

Sec. 234. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-235 Section 79.602; leaking tanks (Repealed)

Sec. 235. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-236 Testing (Repealed)

Sec. 236. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-237 Article 79, Division VII; pipes, valves, and fittings; applicable standards (Repealed)

Sec. 237. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-238 Section 79.802(a); inside dispensing and mixing operations (Repealed)

Sec. 238. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-239 Section 79.804; design and construction of dispensing and mixing rooms (Repealed)

Sec. 239. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-240 Section 79.805; fire protection (Repealed)

Sec. 240. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-241 Section 79.806(d); outside dispensing operations (Repealed)

Sec. 241. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-242 Section 79.807; loading and unloading facilities (Repealed)

Sec. 242. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-243 Section 79.808; unloading operations (Repealed)

Sec. 243. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-244 Article 79, Division IX; service stations (Repealed)

Sec. 244. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-245 Article 79, Division X; storage of flammable and combustible liquids on farms and isolated construction projects (Repealed)

Sec. 245. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-246 Section 79.1102; permits (Repealed)

Sec. 246. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-247 Section 79.1104(c); waste control (Repealed)

Sec. 247. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-248 Section 79.1202; tank vehicles (Repealed)

Sec. 248. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-249 Article 79, Division XIII; industrial plants (Repealed)

Sec. 249. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-250 Article 79, Division XIV; bulk plants and terminals (Repealed)

Sec. 250. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-251 Article 79, Division XV; processing and chemical plants (Repealed)

Sec. 251. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-252 Article 79, Division XVI; refineries and distilleries (Repealed)

Sec. 252. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-253 Article 79, Division XVII; transportation pipelines (Repealed)

Sec. 253. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-254 Section 79.1803; permits (Repealed)

Sec. 254. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-255 Section 79.1804(a); solvent classification changes (Repealed)

Sec. 255. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-256 Section 79.1806; applicable standards (Repealed)

Sec. 256. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-257 Section 79.1808; heating equipment (Repealed)

Sec. 257. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-258 Section 79.1809; electrical equipment and lighting (Repealed)

Sec. 258. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-259 Section 79.1810(c); venting (Repealed)

Sec. 259. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-260 Section 79.1815(b); solvent types (Repealed)

Sec. 260. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-261 Section 79.1816; fire extinguishers (Repealed)

Sec. 261. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-262 Section 80.102; permits (Repealed)

Sec. 262. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-263 Section 80.103; general requirements (Repealed)

Sec. 263. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-264 Section 80.104(b); oxidizing materials (Repealed)

Sec. 264. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-265 Section 80.107(a); highly toxic materials (Repealed)

Sec. 265. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-266 Section 80.111(a); identification of aboveground tanks and vessels (Repealed)

Sec. 266. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-267 Section 81.101; scope (Repealed)

Sec. 267. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-268 Section 81.104; classification of contents (Repealed)

Sec. 268. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-269 Section 81.106; automatic fire-extinguishing systems (Repealed)

Sec. 269. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-270 Section 81.108(a); aisles (Repealed)

Sec. 270. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-271 Section 81.109; access to buildings (Repealed)

Sec. 271. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-272 Section 81.110; small hose connections (Repealed)

Sec. 272. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-273 Section 81.111; high-rack storage systems (Repealed)

Sec. 273. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-274 Section 82.101; installation and storage of liquefied petroleum gases (Repealed)

Sec. 274. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-275 Section 82.102; records of installations (Repealed)

Sec. 275. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-276 Section 82.103; inspections of installations (Repealed)

Sec. 276. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-277 Section 82.104; installation of equipment (Repealed)

Sec. 277. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-278 Section 82.105; location of containers (Repealed)

Sec. 278. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-279 Section 82.108(a); dispensing and overfilling (Repealed)

Sec. 279. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-280 Section 82.110(a); smoking and open flame devices (Repealed)

Sec. 280. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-281 Section 83.101; permits (Repealed)

Sec. 281. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-282 Section 83.105; retail storage (Repealed)

Sec. 282. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-283 Section 85.109; unapproved appliances (Repealed)

Sec. 283. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-284 Section 86.103(a); identification of storage buildings, rooms, and areas (Repealed)

Sec. 284. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-285 Section 86.104; fire protection (Repealed)

Sec. 285. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-286 Section 87.102; approval (Repealed)

Sec. 286. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-287 Section 87.103; fire safety during construction (Repealed)

Sec. 287. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-288 Appendix 1-A; emergency exit sign sample (Repealed)

Sec. 288. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-289 Appendix 1-B; emergency information sample (Repealed)

Sec. 289. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-290 Appendix Division II; community environmental hazard controls (Repealed)

Sec. 290. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-291 Appendix Division III; fire protection systems; Appendix III-C fire alarm systems (Repealed)

Sec. 291. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-292 Appendix Division IV; flammable floor coverings (Repealed)

Sec. 292. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-293 Appendix Division V; standards (Repealed)

Sec. 293. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

675 IAC 22-2-294 Appendix Division VI; informational (Repealed)

Sec. 294. *(Repealed by Fire Prevention and Building Safety Commission; filed Nov 15, 1990, 2:00 p.m.: 14 IR 739)*

Rule 2.1. Indiana Fire Prevention Code, 1990 Edition

675 IAC 22-2.1-1 Adoption by reference (Repealed)

Sec. 1. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-2 Title; availability (Repealed)

Sec. 2. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-3 Section 1.102; intent (Repealed)

Sec. 3. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-4 Section 1.103(b); scope (Repealed)

Sec. 4. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-5 Article 2, Division I; organization and authority (Repealed)

Sec. 5. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-6 Article 2, Division II; duties and procedures (Repealed)

Sec. 6. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-7 Section 2.301; approval (Repealed)

Sec. 7. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-8 Section 2.302; technical assistance (Repealed)

Sec. 8. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-9 Section 2.303; standards (Repealed)

Sec. 9. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-10 Section 2.304; NFPA standards (Repealed)

Sec. 10. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-11 Section 2.305; NFPA 34; dipping and coating processes using flammable or combustible liquids (Repealed)

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Sec. 11. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-12 Section 2.306; NFPA 51; oxygen-fuel gas system for welding, cutting and allied processes (Repealed)

Sec. 12. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

675 IAC 22-2.1-13 Section 2.307; NFPA 51B; cutting and welding processes (Repealed)

Sec. 13. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

675 IAC 22-2.1-14 Section 2.308; NFPA 86; ovens and furnaces (Repealed)

Sec. 14. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

675 IAC 22-2.1-15 Section 2.309; NFPA 407; aircraft fuel servicing (Repealed)

Sec. 15. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

675 IAC 22-2.1-16 Section 2.310; NFPA 704; identification of the fire hazards of materials (Repealed)

Sec. 16. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

675 IAC 22-2.1-17 Section 2.311; NFPA 1123; public display of fireworks (Repealed)

Sec. 17. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

675 IAC 22-2.1-18 Section 2.312; NFPA 10; standard for portable fire extinguishers (Repealed)

Sec. 18. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

675 IAC 22-2.1-19 Section 2.313; NFPA 50; standard for bulk oxygen systems at consumer sites (Repealed)

Sec. 19. *(Repealed by Fire Prevention and Building Safety Commission; filed Aug 28, 1998, 5:02 p.m.: 22 IR 124)*

675 IAC 22-2.1-20 Section 2.314; value of services rendered (Repealed)

Sec. 20. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-21 Article 3; compliance with orders and notices (Repealed)

Sec. 21. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-22 Article 4; permits (Repealed)

Sec. 22. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-23 Section 9.101; amendments (Repealed)

Sec. 23. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-24 Section 9.102; definitions and abbreviations (Repealed)

Sec. 24. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-25 Section 9.103; definitions “A” (Repealed)

Sec. 25. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-26 Section 9.104; definitions “B” (Repealed)

Sec. 26. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-27 Section 9.105; definitions “C” (Repealed)

Sec. 27. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-28 Section 9.106; definitions “D” (Repealed)

Sec. 28. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-29 Section 9.107; definitions “E” (Repealed)

Sec. 29. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-30 Section 9.108; definitions “F” (Repealed)

Sec. 30. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-31 Section 9.110; definitions “H” (Repealed)

Sec. 31. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-32 Section 9.111; definitions “I” (Repealed)

Sec. 32. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-33 Section 9.112; definitions “J” (Repealed)

Sec. 33. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-34 Section 9.115; definitions “M” (Repealed)

Sec. 34. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-35 Section 9.117; definitions “O” (Repealed)

Sec. 35. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-36 Section 9.118; definitions “P” (Repealed)

Sec. 36. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-37 Section 9.120; definitions “R” (Repealed)

Sec. 37. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-38 Section 9.121; definitions “S” (Repealed)

Sec. 38. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-39 Section 9.122; definitions “T” (Repealed)

Sec. 39. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-40 Section 9.123; definitions “U” (Repealed)

Sec. 40. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-41 Section 9.124; definitions “V” (Repealed)

Sec. 41. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-42 Section 9.125; definitions “W” (Repealed)

Sec. 42. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-43 Article 10, Division I; general provisions for fire safety (Repealed)

Sec. 43. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-44 Section 10.201; tampering with fire equipment (Repealed)

Sec. 44. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-45 Section 10.202; tampering with fire hydrant or fire appliance (Repealed)

Sec. 45. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-46 Section 10.203; hydrant use approval (Repealed)

Sec. 46. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-47 Section 10.204; tampering with barricades (Repealed)

Sec. 47. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-48 Section 10.205; closure of roads or trails (Repealed)

Sec. 48. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-49 Section 10.206; obstruction of fire protection equipment (Repealed)

Sec. 49. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-50 Section 10.207(b); fire apparatus access roads; where required (Repealed)

Sec. 50. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

675 IAC 22-2.1-51 Section 10.207(i); bridges (Repealed)

Sec. 51. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

675 IAC 22-2.1-52 Section 10.208(b); premises identification (Repealed)

Sec. 52. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

675 IAC 22-2.1-53 Section 10.301(a); installation; type required (Repealed)

Sec. 53. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

675 IAC 22-2.1-54 Section 10.301(b); special hazards (Repealed)

Sec. 54. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

675 IAC 22-2.1-55 Section 10.301(c); water supply (Repealed)

Sec. 55. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

675 IAC 22-2.1-56 Section 10.301(d); fire hydrant markers (Repealed)

Sec. 56. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

675 IAC 22-2.1-57 Section 10.301(e); timing of installation (Repealed)

Sec. 57. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

675 IAC 22-2.1-58 Section 10.301(f); approval and testing (Repealed)

Sec. 58. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

675 IAC 22-2.1-59 Section 10.302(a); maintenance; general (Repealed)

Sec. 59. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

675 IAC 22-2.1-60 Section 10.302(b); systems in high-rise buildings (Repealed)

Sec. 60. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

675 IAC 22-2.1-61 Section 10.302(c); smoke-control systems (Repealed)

Sec. 61. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

675 IAC 22-2.1-62 Section 10.303; portable fire extinguishers (Repealed)

Sec. 62. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

675 IAC 22-2.1-63 Section 10.304; fire protection in recreational vehicle and mobile home parks (Repealed)

Sec. 63. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-64 Section 10.305(b); approvals (Repealed)

Sec. 64. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-65 Section 10.305(d); installation of fixed fire protection systems; standards (Repealed)

Sec. 65. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-66 Section 10.306; automatic fire-extinguishing systems (Repealed)

Sec. 66. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-67 Section 10.307; sprinkler system supervision alarms (Repealed)

Sec. 67. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-68 Section 10.308; permissible sprinkler omissions (Repealed)

Sec. 68. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-69 Section 10.309; standpipes (Repealed)

Sec. 69. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-70 Section 10.310; buildings under construction (Repealed)

Sec. 70. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-71 Section 10.311; basement pipe inlets (Repealed)

Sec. 71. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-72 Section 10.312; ventilating hood and duct systems (Repealed)

Sec. 72. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-73 Section 10.313; fire-extinguishing equipment for protection of kitchen grease hoods and ducts (Repealed)

Sec. 73. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-74 Section 10.402(c); identification (Repealed)

Sec. 74. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-75 Section 11.101(a); bonfires and outdoor rubbish fires (Repealed)

Sec. 75. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-76 Section 11.105(e); types and construction of incinerators (Repealed)

Sec. 76. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-77 Section 11.112; hours of burning (Repealed)

Sec. 77. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-78 Section 11.113; burning on public property (Repealed)

Sec. 78. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-79 Section 11.114; offensive smoke and odors (Repealed)

Sec. 79. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-80 Section 11.115; attendant for fire (Repealed)

Sec. 80. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-80.1 Section 11.201(b); containers and removal (Repealed)

Sec. 80.1. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-81 Section 11.202; handling of readily combustible materials (Repealed)

Sec. 81. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-82 Section 11.203(a); storage of readily combustible materials (Repealed)

Sec. 82. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-83 Section 11.204; flammable decorative materials (Repealed)

Sec. 83. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-84 Section 11.208; parade floats (Repealed)

Sec. 84. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-85 Section 11.404(a); heating appliances (Repealed)

Sec. 85. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-86 Section 11.410; open-flame devices in marinas (Repealed)

Sec. 86. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-87 Section 12.101; maintenance of exits; scope (Repealed)

Sec. 87. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-88 Section 12.104(b); doors; locking devices (Repealed)

Sec. 88. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-89 Section 12.106(d); stairways and ramps; stairway identification (Repealed)

Sec. 89. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-90 Section 12.108(a); exit signs; general (Repealed)

Sec. 90. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-91 Section 12.108(c); exit signs; graphics (Repealed)

Sec. 91. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-92 Section 12.108(e); exit signs; maintenance (Repealed)

Sec. 92. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-93 Section 12.110; fire escapes (Repealed)

Sec. 93. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-94 Section 12.111; emergency signs for “R” occupancies (Repealed)

Sec. 94. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-95 Section 12.202; permits (Repealed)

Sec. 95. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-96 Section 13.102; smoking (Repealed)

Sec. 96. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-97 Section 13.103; “no smoking” signs (Repealed)

Sec. 97. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-98 Article 14; fire alarm systems (Repealed)

Sec. 98. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-99 Section 14.101; scope (Repealed)

Sec. 99. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-100 Section 14.102; definitions (Repealed)

Sec. 100. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-101 Section 14.103; general requirements (Repealed)

Sec. 101. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-102 Section 14.104; special provisions (Repealed)

Sec. 102. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-103 Section 14.105; maintenance (Repealed)

Sec. 103. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-104 Section 14.106; automatic telephone dialing devices (Repealed)

Sec. 104. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-105 Section 14.107; false alarms (Repealed)

Sec. 105. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-106 Section 24.102; permits (Repealed)

Sec. 106. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-107 Section 24.105; application of flammable or combustible liquid finishes (Repealed)

Sec. 107. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-108 Section 24.107; drip pans (Repealed)

Sec. 108. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-109 Section 24.108; open flame (Repealed)

Sec. 109. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-110 Section 24.112; combustible storage (Repealed)

Sec. 110. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-111 Section 24.121; regulations not covered (Repealed)

Sec. 111. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-112 Section 24.201(a); construction of aircraft refuelers (Repealed)

Sec. 112. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-113 Section 24.305; federal aviation approval (Repealed)

Sec. 113. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-114 Section 25.101; permits (Repealed)

Sec. 114. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-115 Section 25.102(b); places of assembly; communication (Repealed)

Sec. 115. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-116 Section 25.103; decorative material (Repealed)

Sec. 116. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-117 Section 25.106(b); Group A, Divisions 2, 2.1 and 3 Occupancies (Repealed)

Sec. 117. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-118 Section 25.106(b); Group A, Divisions 2, 2.1 and 3 Occupancies (Repealed)

Sec. 118. *(Repealed by Fire Prevention and Building Safety Commission; filed May 13, 1993, 5:00 p.m.: 16 IR 2415)*

675 IAC 22-2.1-118.1 Section 25.107; aisles (Repealed)

Sec. 118.1. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-118.2 Section 25.108; seat spacing (Repealed)

Sec. 118.2. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-119 Section 25.112; plan of exit ways and aisles; announcements (Repealed)

Sec. 119. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-120 Section 25.114(b); determination of occupant load (Repealed)

Sec. 120. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-121 Section 25.116(a); permits (Repealed)

Sec. 121. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-121.1 Article 25, Division II; reviewing stands, grandstands and bleachers (Repealed)

Sec. 121.1. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-121.2 Article 25, Division III; folding and telescoping seating (Repealed)

Sec. 121.2. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-122 Article 25, Division IV; securing of chairs (Repealed)

Sec. 122. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-123 Section 25.401; carnivals and fairs; scope (Repealed)

Sec. 123. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-124 Section 25.402; grounds (Repealed)

Sec. 124. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-125 Section 25.403; concession stands (Repealed)

Sec. 125. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-126 Section 25.404; internal combustion power sources (Repealed)

Sec. 126. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-127 Section 25.405; flammable liquids and gases (Repealed)

Sec. 127. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-128 Section 25.406; inspection required (Repealed)

Sec. 128. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-129 Article 25, Division V; haunted houses and similar temporary installations (Repealed)

Sec. 129. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-130 Article 25, Division VI; liquid or gas fueled equipment in assembly buildings (Repealed)

Sec. 130. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-131 Section 25.601; temporary display (Repealed)

Sec. 131. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-132 Section 25.602; competition or demonstrations (Repealed)

Sec. 132. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-133 Section 26.102; permits (Repealed)

Sec. 133. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-134 Section 27.102; permits (Repealed)

Sec. 134. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-135 Section 27.104; storage and handling (Repealed)

Sec. 135. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-136 Section 28.102; permits (Repealed)

Sec. 136. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-137 Section 28.105; storage of agricultural products (Repealed)

Sec. 137. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-138 Section 28.106; dust-collecting systems (Repealed)

Sec. 138. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-139 Section 29.102; permits (Repealed)

Sec. 139. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-140 Section 29.103(a); cleaning with Class I or II liquids (Repealed)

Sec. 140. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-141 Section 30.101; permits (Repealed)

Sec. 141. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-142 Section 30.102(a); open yard storage (Repealed)

Sec. 142. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-143 Section 30.102(d); open yard storage (Repealed)

Sec. 143. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-144 Section 30.103(a); operational fire hazards in lumber yards (Repealed)

Sec. 144. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-145 Section 30.104(a); fire extinguishing appliances in open yards and buildings (Repealed)

Sec. 145. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-146 Section 31.102; permits (Repealed)

Sec. 146. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-147 Section 31.105; ventilation (Repealed)

Sec. 147. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-147.1 Section 32.102; definitions; temporary membrane structure (Repealed)

Sec. 147.1. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-147.2 Section 32.102; definitions; temporary (Repealed)

Sec. 147.2. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-148 Section 32.103; permits (Repealed)

Sec. 148. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-148.1 Section 32.104; use period (Repealed)

Sec. 148.1. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-149 Table No. 32.105; location, access and parking (Repealed)

Sec. 149. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-150 Section 32.106; structural stability (Repealed)

Sec. 150. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-151 Section 32.108; smoking and open flames (Repealed)

Sec. 151. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-152 Section 32.109; portable fire extinguishers and other fire protection appliances (Repealed)

Sec. 152. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-153 Section 32.110; standby personnel (Repealed)

Sec. 153. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-154 Section 32.111(e); exits; aisles (Repealed)

Sec. 154. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-155 Section 32.117(a); heating and cooking equipment; general (Repealed)

Sec. 155. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-156 Section 32.119; housekeeping (Repealed)

Sec. 156. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-157 Section 33.102; permits (Repealed)

Sec. 157. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-158 Section 33.104; storage and handling (Repealed)

Sec. 158. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-159 Section 34.102; permits (Repealed)

Sec. 159. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-160 Section 34.104; burning operations (Repealed)

Sec. 160. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-161 Section 34.108; storage of flammable and combustible liquids (Repealed)

Sec. 161. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-162 Section 35.103; permits (Repealed)

Sec. 162. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-163 Section 35.104; fueled equipment (Repealed)

Sec. 163. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-164 Section 35.104(d); flammable liquids or gas (Repealed)

Sec. 164. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-165 Section 36.102; permits (Repealed)

Sec. 165. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-166 Article 37; educational and institutional fire drills (Repealed)

Sec. 166. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-167 Section 37.101; general (Repealed)

Sec. 167. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-168 Section 37.102; frequency (Repealed)

Sec. 168. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-169 Section 37.103; records (Repealed)

Sec. 169. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-170 Section 37.104; evacuation (Repealed)

Sec. 170. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-171 Section 37.105; notification (Repealed)

Sec. 171. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-172 Section 45.102; permits (Repealed)

Sec. 172. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-173 Section 45.103; smoking prohibited (Repealed)

Sec. 173. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-174 Section 45.104; welding warning signs (Repealed)

Sec. 174. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-175 Section 45.203; spray booths; separation (Repealed)

Sec. 175. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-176 Section 45.207; limited spraying areas (Repealed)

Sec. 176. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-177 Section 45.211(d); drying apparatus (Repealed)

Sec. 177. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-178 Section 45.304; storage and handling of flammable or combustible liquids (Repealed)

Sec. 178. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-179 Section 45.306; operating and maintenance (Repealed)

Sec. 179. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-180 Section 45.401; equipment type and location (Repealed)

Sec. 180. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-181 Section 45.405; ventilation (Repealed)

Sec. 181. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-182 Section 45.501(a); operations included (Repealed)

Sec. 182. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-183 Section 45.707; personnel qualifications (Repealed)

Sec. 183. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-184 Section 46.102; permits (Repealed)

Sec. 184. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-185 Section 46.103(a); use of ethylene (Repealed)

Sec. 185. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-186 Section 46.103(c); use of ethylene (Repealed)

Sec. 186. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-187 Section 47.102; permits (Repealed)

Sec. 187. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-188 Section 47.104; notification of fumigation (Repealed)

Sec. 188. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-189 Section 47.105; breathing apparatus required (Repealed)

Sec. 189. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-190 Section 47.111; warehouse fumigations (Repealed)

Sec. 190. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-191 Section 48.102; permits (Repealed)

Sec. 191. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-192 Section 49.101(c); general requirements (Repealed)

Sec. 192. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-193 Section 49.109(c); storage of calcium carbide in buildings (Repealed)

Sec. 193. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-194 Section 50.103; permits (Repealed)

Sec. 194. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-195 Section 51.102; definitions (Repealed)

Sec. 195. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-196 Section 51.103; permits (Repealed)

Sec. 196. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-197 Section 51.105; fabrication area; ventilation controls (Repealed)

Sec. 197. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-198 Section 51.109; handling of hazardous production materials within service corridors (Repealed)

Sec. 198. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-199 Section 51.110(b); storage of hazardous production materials within buildings (Repealed)

Sec. 199. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-200 Section 51.111(a); emergency plan (Repealed)

Sec. 200. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-201 Section 61.106(c); portable unvented oil-burning heating appliances (Repealed)

Sec. 201. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-202 Section 62.102; permits and plans required (Repealed)

Sec. 202. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-203 Section 63.101; scope (Repealed)

Sec. 203. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-204 Section 63.102; classifications (Repealed)

Sec. 204. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-205 Section 63.103; permits (Repealed)

Sec. 205. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-206 Section 63.106; instructions (Repealed)

Sec. 206. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-207 Section 63.107; emergency signs and labels (Repealed)

Sec. 207. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-208 Section 63.108; diffusion system (Repealed)

Sec. 208. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-209 Section 74.103; permits (Repealed)

Sec. 209. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-210 Section 74.104; storage containers (Repealed)

Sec. 210. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-211 Section 74.105; cylinder systems for compressed gases (Repealed)

Sec. 211. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-212 Section 74.107; storage and use of cylinders; general (Repealed)

Sec. 212. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-213 Section 74.109; operations and maintenance (Repealed)

Sec. 213. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-214 Article 74, Division II; medical (Repealed)

Sec. 214. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-215 Section 74.201; general (Repealed)

Sec. 215. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-216 Section 75.103; permits (Repealed)

Sec. 216. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-217 Section 75.104; approval of containers, equipment, and devices (Repealed)

Sec. 217. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-218 Section 75.105(b); electrical equipment (Repealed)

Sec. 218. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-219 Section 75.107; warning labels (Repealed)

Sec. 219. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-220 Section 75.108; dispensing areas (Repealed)

Sec. 220. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-221 Section 75.201; container design, construction and testing (Repealed)

Sec. 221. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-222 Section 75.205; nameplate (Repealed)

Sec. 222. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-223 Section 75.302; drainage for aboveground containers (Repealed)

Sec. 223. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-224 Section 75.601; containers, tanks and vessels (Repealed)

Sec. 224. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-225 Section 75.602; vehicles (Repealed)

Sec. 225. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-226 Section 76.102; permits (Repealed)

Sec. 226. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-227 Section 76.103; grounding (Repealed)

Sec. 227. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-228 Section 77.104; permits (Repealed)

Sec. 228. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-229 Section 77.105; insurance (Repealed)

Sec. 229. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-230 Section 77.106; general requirements (Repealed)

Sec. 230. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-231 Section 77.201; storage of explosives (Repealed)

Sec. 231. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-232 Table No. 77.201-A (Repealed)

Sec. 232. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-233 Table No. 77.201-B (Repealed)

Sec. 233. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-234 Section 77.202; magazines (Repealed)

Sec. 234. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-235 Section 77.203; gunpowder (Repealed)

Sec. 235. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-236 Section 77.204; Class II magazines (Repealed)

Sec. 236. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-237 Section 77.301; use and handling of explosives (Repealed)

Sec. 237. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-238 Section 77.302; transportation of explosives (Repealed)

Sec. 238. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-239 Section 77.303; explosives and blasting agents at terminals (Repealed)

Sec. 239. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-240 Section 77.304; blasting agents; general (Repealed)

Sec. 240. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-241 Section 77.305; mixing blasting agents (Repealed)

Sec. 241. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-242 Section 77.306; transportation of blasting caps (Repealed)

Sec. 242. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-243 Section 77.307; seizure of explosives and blasting agents (Repealed)

Sec. 243. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-244 Section 77.401; manufacturing, assembling, and testing (Repealed)

Sec. 244. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-245 Section 77.409; location of explosive detonations for testing (Repealed)

Sec. 245. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-246 Section 77.410(a); disposal of waste explosives and fireworks (Repealed)

Sec. 246. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-247 Article 77, Division V; alternative criteria for explosive laboratory operations (Repealed)

Sec. 247. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-248 Section 78.102; permits for manufacture, sale and discharge (Repealed)

Sec. 248. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-249 Section 78.103; bond for fireworks display required (Repealed)

Sec. 249. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-250 Section 78.106; seizure of fireworks (Repealed)

Sec. 250. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-251 Section 78.107; public display of fireworks (Repealed)

Sec. 251. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-252 Section 79.101; scope; general (Repealed)

Sec. 252. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-253 Section 79.102(b); definitions (Repealed)

Sec. 253. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-254 Section 79.103; permits (Repealed)

Sec. 254. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-255 Section 79.104; portable tanks, containers and equipment (Repealed)

Sec. 255. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-256 Section 79.105(c); atmospheric tanks (Repealed)

Sec. 256. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-257 Section 79.105(d); low-pressure tanks (Repealed)

Sec. 257. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-258 Section 79.105(e); pressure vessels (Repealed)

Sec. 258. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-259 Section 79.105(f); design and construction of tanks; materials (Repealed)

Sec. 259. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-260 Section 79.108; warning signs (Repealed)

Sec. 260. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-261 Section 79.115; abandonment and status of tanks (Repealed)

Sec. 261. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-262 Section 79.201(e); quantities allowed within specified buildings (Repealed)

Sec. 262. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-263 Section 79.202; inside liquid storage room (Repealed)

Sec. 263. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-264 Section 79.203; liquid storage rooms (Repealed)

Sec. 264. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-265 Section 79.204; liquid storage warehouses (Repealed)

Sec. 265. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-266 Section 79.301; stationary tank storage inside buildings (Repealed)

Sec. 266. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-267 Section 79.302(a); tank connections; normal venting; general (Repealed)

Sec. 267. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-268 Sections 79.401 and 79.402; container and portable tank storage outside buildings (Repealed)

Sec. 268. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-269 Section 79.501; restricted locations (Repealed)

Sec. 269. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-270 Section 79.503(g); use of open space on adjacent property (Repealed)

Sec. 270. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-271 Section 79.505; supports, foundations and anchorage (Repealed)

Sec. 271. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-272 Section 79.507; drainage dikes and walls for aboveground tanks (Repealed)

Sec. 272. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-273 Section 79.509; tank connections (Repealed)

Sec. 273. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-274 Section 79.510; fire protection (Repealed)

Sec. 274. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-275 Section 79.601(c); anchorage (Repealed)

Sec. 275. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-276 Section 79.603; corrosion protection (Repealed)

Sec. 276. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-277 Section 79.604; tank connections (Repealed)

Sec. 277. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-278 Section 79.605; testing (Repealed)

Sec. 278. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-279 Section 79.701(a); materials and design; general (Repealed)

Sec. 279. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-280 Section 79.705; swing joints (Repealed)

Sec. 280. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-281 Section 79.708; testing (Repealed)

Sec. 281. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-282 Section 79.802(a); inside operations; general (Repealed)

Sec. 282. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-283 Section 79.804; design and construction of inside use, dispensing and mixing (Repealed)

Sec. 283. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-284 Section 79.807(c); loading and unloading facilities; fire protection (Repealed)

Sec. 284. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-285 Section 79.902; storage; general provisions (Repealed)

Sec. 285. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-286 Section 79.903; dispensing services (Repealed)

Sec. 286. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-287 Section 79.904; pressure delivery service stations (Repealed)

Sec. 287. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-288 Section 79.905; electrical equipment (Repealed)

Sec. 288. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-289 Section 79.910; marine service stations (Repealed)

Sec. 289. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-290 Section 79.911(d); fire protection; hose stations (Repealed)

Sec. 290. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-291 Section 79.912; vapor recovery (Repealed)

Sec. 291. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-292 Section 79.1002; permits (Repealed)

Sec. 292. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-293 Section 79.1006; individual containers of 60 gallon or less capacity each (Repealed)

Sec. 293. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-294 Section 79.1102; permits (Repealed)

Sec. 294. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-295 Section 79.1104(c); waste control; clearing around walls and tanks (Repealed)

Sec. 295. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-296 Section 79.1106; prevention of blowouts (Repealed)

Sec. 296. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-297 Section 79.1108; soundproofing material (Repealed)

Sec. 297. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-298 Section 79.1201; permits (Repealed)

Sec. 298. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-299 Section 79.1202; tank vehicle construction (Repealed)

Sec. 299. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-300 Section 79.1203(a); full trailers and semitrailers; attachments (Repealed)

Sec. 300. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-301 Section 79.1204(j); operation of tank vehicles; liquid temperature (Repealed)

Sec. 301. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-302 Section 79.1306; separation of unstable liquids (Repealed)

Sec. 302. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-303 Section 79.1312(d); fire protection; special extinguishing equipment (Repealed)

Sec. 303. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-304 Section 79.1403(a); ventilation; general (Repealed)

Sec. 304. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-305 Section 79.1408; ignition sources (Repealed)

Sec. 305. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-306 Section 79.1503(b); location of processing vessel; interior location (Repealed)

Sec. 306. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-307 Section 79.1505(a); ventilation; general (Repealed)

Sec. 307. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-308 Section 79.1508(c); piping valves and fittings; identification (Repealed)

Sec. 308. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-309 Section 79.1602; locations (Repealed)

Sec. 309. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-310 Section 79.1605; pressure vessels (Repealed)

Sec. 310. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-311 Division XVII; transportation pipelines (Repealed)

Sec. 311. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-312 Section 79.1803; permits (Repealed)

Sec. 312. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-313 Section 79.1804(a); solvents; changes in class (Repealed)

Sec. 313. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-314 Section 79.1806(a); occupancy requirements; general (Repealed)

Sec. 314. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-315 Section 79.1810(f); solvent containers, tanks transferring equipment; treatment tanks (Repealed)

Sec. 315. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-316 Section 79.1813; drying tumblers and cabinets (Repealed)

Sec. 316. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-317 Section 80.101; scope (Repealed)

Sec. 317. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-318 Section 80.102; definitions (Repealed)

Sec. 318. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-319 Section 80.103; permits (Repealed)

Sec. 319. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-320 Section 80.104; general requirements (Repealed)

Sec. 320. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-321 Section 80.105; construction requirements (Repealed)

Sec. 321. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-322 Section 80.107; facility closure plans (Repealed)

Sec. 322. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-323 Section 80.108; out-of-service facilities (Repealed)

Sec. 323. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-324 Section 80.109; reactive and unstable materials (Repealed)

Sec. 324. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-325 Article 80, Division II; classification by hazard (Repealed)

Sec. 325. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-326 Section 80.301; storage requirements (Repealed)

Sec. 326. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-327 Section 80.303; compressed gases (Repealed)

Sec. 327. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-328 Section 80.305(a); flammable solids; indoor storage; exempt amounts (Repealed)

Sec. 328. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-329 Section 80.306(a); liquid and solid oxidizers; indoor storage; exempt amounts (Repealed)

Sec. 329. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-330 Section 80.307(a); organic peroxides; indoor storage; exempt amounts (Repealed)

Sec. 330. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-331 Section 80.308(a); pyrophoric materials; indoor storage; exempt amounts (Repealed)

Sec. 331. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-332 Section 80.309(a); unstable (reactive) materials; indoor storage; exempt amounts (Repealed)

Sec. 332. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-333 Section 80.310(a); water-reactive materials; indoor storage (Repealed)

Sec. 333. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-334 Section 80.312; highly toxic solids and liquids (Repealed)

Sec. 334. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-335 Section 80.313; radioactive materials (Repealed)

Sec. 335. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-336 Section 80.314; corrosives (Repealed)

Sec. 336. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-337 Section 80.315; other health hazard solids, liquids and gases (Repealed)

Sec. 337. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-338 Section 80.401; general (Repealed)

Sec. 338. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-339 Section 80.402; dispensing and use; exempt amounts (Repealed)

Sec. 339. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-340 Section 80.403; handling (Repealed)

Sec. 340. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-341 Table No. 80.402-A (Repealed)

Sec. 341. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-342 Table No. 80.402-B (Repealed)

Sec. 342. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-343 Section 81.102; definitions (Repealed)

Sec. 343. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-344 Section 81.103; permits (Repealed)

Sec. 344. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-345 Section 81.104; classification of contents (Repealed)

Sec. 345. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-346 Section 81.105; fire protection (Repealed)

Sec. 346. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-347 Table No. 81.105; requirements for fire protection (Repealed)

Sec. 347. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-348 Section 81.106; automatic fire extinguishing systems (Repealed)

Sec. 348. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-349 Section 81.108; aisles (Repealed)

Sec. 349. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-350 Subsection 81.109(b); access to building; access doors (Repealed)

Sec. 350. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-351 Section 81.110; small hose connections (Repealed)

Sec. 351. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-352 Section 81.111; high-rack storage systems (Repealed)

Sec. 352. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-353 Section 82.101; scope (Repealed)

Sec. 353. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-354 Section 82.102; permits and reports of installations (Repealed)

Sec. 354. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-355 Section 82.103; installation of equipment (Repealed)

Sec. 355. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-356 Section 82.104; location of containers (Repealed)

Sec. 356. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-357 Subsection 82.106(d); dispensing and overfilling; dispensing location (Repealed)

Sec. 357. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-358 Section 82.108; smoking and other sources of ignition (Repealed)

Sec. 358. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-359 Section 82.111; fire protection (Repealed)

Sec. 359. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-360 Section 82.112; storage of portable containers awaiting resale (Repealed)

Sec. 360. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-361 Subsection 82.113(b); containers not in service; permanently out of service (Repealed)

Sec. 361. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-362 Section 82.114; parking and garaging (Repealed)

Sec. 362. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-363 Sections 83.101; permits (Repealed)

Sec. 363. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-364 Section 83.105; storage by retailers (Repealed)

Sec. 364. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-365 Section 84.101; scope (Repealed)

Sec. 365. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-366 Subsection 85.103(c); use of temporary wiring; attachment to structures (Repealed)

Sec. 366. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

675 IAC 22-2.1-366.1 Section 85.108; access (Repealed)

Sec. 366.1. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

675 IAC 22-2.1-367 Section 85.109; nonapproved appliances (Repealed)

Sec. 367. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

675 IAC 22-2.1-368 Article 86; pesticides-storage (Repealed)

Sec. 368. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

675 IAC 22-2.1-369 Section 87.102; approval (Repealed)

Sec. 369. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

675 IAC 22-2.1-370 Section 87.103; fire safety during construction (Repealed)

Sec. 370. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

675 IAC 22-2.1-370.1 Section 88.101; purpose, scope (Repealed)

Sec. 370.1. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

675 IAC 22-2.1-370.2 Section 88.102; definitions (Repealed)

Sec. 370.2. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

675 IAC 22-2.1-370.3 Section 88.103; fire safety requirements (Repealed)

Sec. 370.3. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

675 IAC 22-2.1-371 Appendix I-A; emergency escape plan (Repealed)

Sec. 371. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

675 IAC 22-2.1-372 Appendix I-B; emergency information (Repealed)

Sec. 372. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

675 IAC 22-2.1-373 Appendix I-C; stairway identification (Repealed)

Sec. 373. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

675 IAC 22-2.1-374 Division II; environmental hazard controls (Repealed)

Sec. 374. (Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)

675 IAC 22-2.1-375 Division III; fire protection (Repealed)

Sec. 375. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-376 Division IV; flammable floor coverings (Repealed)

Sec. 376. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-377 Division V; standards (Repealed)

Sec. 377. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-378 Division VI-A; hazardous materials classifications; intent (Repealed)

Sec. 378. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-379 Appendix VI-A, subsection 2(a)2(iii); corrosive (Repealed)

Sec. 379. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-380 Appendix VI-A, subsection 2(a)2(iv); highly toxic (Repealed)

Sec. 380. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-381 Appendix VI-A, subsection 2(a)2(v); toxic (Repealed)

Sec. 381. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-382 Appendix VI-A; oxidizers; organic peroxides; unstable (reactive) material; water-reactive materials (Repealed)

Sec. 382. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-383 Appendix VI-A, subsection 2(a)10(iii); corrosive (Repealed)

Sec. 383. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-384 Appendix VI-A, subsection 2(a)10(v); highly toxic (Repealed)

Sec. 384. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-385 Appendix VI-A, subsection 2(b); health hazards (Repealed)

Sec. 385. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-386 Appendix VI-A, section 3; evaluation of hazards (Repealed)

Sec. 386. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-387 Appendix VI-A, section 4; reference publications; general (Repealed)

Sec. 387. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-388 Appendix VI-B; emergency relief venting for fire exposure for aboveground tanks (Repealed)

Sec. 388. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-389 Appendix VI-C; model citation program (Repealed)

Sec. 389. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-390 Appendix VI-D; reference tables from 675 IAC 13, the Indiana building code (Repealed)

Sec. 390. *(Repealed by Fire Prevention and Building Safety Commission; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969)*

675 IAC 22-2.1-391 Appendix VI-D; Table No. 5-B; required separation in buildings of mixed occupancy (Repealed)

Sec. 391. *(Repealed by Fire Prevention and Building Safety Commission; filed May 13, 1993, 5:00 p.m.: 16 IR 2415)*

675 IAC 22-2.1-392 Appendix VI-D; Table No. 5-C; basic allowable floor area for buildings one (1) story in height (Repealed)

Sec. 392. *(Repealed by Fire Prevention and Building Safety Commission; filed May 13, 1993, 5:00 p.m.: 16 IR 2415)*

675 IAC 22-2.1-393 Appendix VI-D; Table No. 5-D; maximum height of buildings (Repealed)

Sec. 393. *(Repealed by Fire Prevention and Building Safety Commission; filed May 13, 1993, 5:00 p.m.: 16 IR 2415)*

675 IAC 22-2.1-394 Appendix VI-D; Table No. 17-A; types of construction; fire-resistive construction (Repealed)

Sec. 394. *(Repealed by Fire Prevention and Building Safety Commission; filed May 13, 1993, 5:00 p.m.: 16 IR 2415)*

675 IAC 22-2.1-395 Appendix VI-D; Table No. 33-A; minimum egress and access requirements (Repealed)

Sec. 395. *(Repealed by Fire Prevention and Building Safety Commission; filed May 13, 1993, 5:00 p.m.: 16 IR 2415)*

Rule 2.2. 1998 Indiana Fire Code

675 IAC 22-2.2-1 Adoption by reference

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 1. That a certain document being titled the Uniform Fire Code, 1997 Edition, Volume 1 and Volume 2, first printing, published by the International Fire Code Institute and the International Conference of Building Officials, at 5360 Workman Mill Road, Whittier, California 90601-2298 and the Western Fire Chiefs Association, 28924 Front Street, Suite 107, Temecula, California 92590, is hereby adopted by reference as if fully set out in this rule save and except those revisions made in sections 28 through 539 of this rule. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-1; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2908)*

675 IAC 22-2.2-2 Section 101.1; title; availability

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 2. Delete section 101.1 in its entirety and substitute the following: 101.1 Title; Availability. (a) This rule shall be known as the 1998 Indiana Fire Code, and shall be published, except incorporated documents, by the Department of Fire and Building

Services for general distribution and use under that title. Wherever the term “this code” is used throughout this rule, it shall mean the 1998 Indiana Fire Code.

(b) This rule and incorporated documents therein are available from the Department of Fire and Building Services, Indiana Government Center-South, 402 West Washington Street, Room E243, Indianapolis, Indiana 46204. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-2; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2908*)

675 IAC 22-2.2-3 NFPA 10; standard for portable fire extinguishers

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13-2; IC 22-14; IC 36-8-17

Sec. 3. (a) That certain standard, being titled NFPA 10, Standard for Portable Fire Extinguishers, 1994, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and the same is hereby adopted by reference as if fully set out in this section except as revised hereafter.

(b) The following documents referenced in NFPA 10 are not adopted, are not enforceable, and are for information only:

- (1) NFPA 96.
- (2) ANSI/UL 1903.
- (3) CGA C-1.
- (4) CGA C-6.
- (5) CGA C-6.1.

(c) The following documents referenced in NFPA 10 are adopted and are enforceable:

- (1) NFPA 14 adopted in 675 IAC 13-1-8.
- (2) NFPA 231 adopted in section 19 of this rule.
- (3) NFPA 704 adopted in section 24 of this rule.

(d) “NOTES” that are not a part of a table, figure, or graph are not enforceable as part of this code.

(e) Delete section 1-1 and substitute the following: Scope. The provisions of this standard apply to the selection, installation, inspection, maintenance, and testing of portable extinguishing systems.

(f) Delete section 1-2 in its entirety.

(g) Amend section 1-3 as follows:

(1) Amend the following definitions to read as follows:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose. AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

HALOGENATED AGENTS means halogenated (clean) agents referenced in this standard are the following types:

(A) Halons. Bromochlorodifluoromethane (Halon 1211), bromotrifluoromethane (Halon 1301), and mixtures of Halon 1211 and Halon 1301 (Halon 1211/1301).

NOTE: Halon 1211 and Halon 1301 are included in the “Montreal Protocol on Substances that Deplete the Ozone Layer”, signed September 16, 1987. In compliance with National regulations, production of halons ceased on January 1, 1994.

(B) Halocarbons. Halocarbon agents include hydrochlorofluoro-carbon (*HCFC), hydrofluorocarbon (HFC), perfluorocarbon (PFC), and fluoriodocarbon (FIC) type agents.

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

MAINTENANCE means a thorough examination of the fire extinguisher and any necessary repair.

(2) Add the following definitions:

TRAINED means one who has undergone the instructions necessary to design, install, and perform the maintenance and recharge service.

INSPECTION AUTHORITY means the Indiana state fire marshal, or the fire chief, or the Indiana state building commissioner, or the local building official, or their authorized representative.

(h) Amend section 1-4.3 to read as follows: Portable fire extinguishers used to comply with this standard shall be listed and labeled.

(i) Delete section 1-6.4 without substitution.

(j) Delete section 1-6.8 without substitution.

(k) Amend section 1-7(b) to read as follows: Hazardous materials shall be identified in accordance with NFPA 704. Hazardous materials shall be classified in accordance with Article 80 of the Indiana Fire Code.

(l) Delete the text of section 2-1 and substitute the following: Extinguishers shall be suitable for the anticipated growth and character of the fire, construction, and occupancy of the individual property or premises, the vehicle or hazard to be protected, and ambient-temperature conditions. Selection of the class, size, number, and location of extinguishers shall be as specified in the Indiana Fire Code.

(m) Delete the text of section 2-3.2 and substitute "See section 1006.2.7 of the Indiana Fire Code".

(n) Delete section 2-4 in its entirety.

(o) Amend section 3-1.2 to read as follows: Fire extinguishers shall be provided for the protection of the occupancy hazard as required by the building code (675 IAC 13) and the fire code.

(p) Delete section 3-1.2.1 without substitution.

(q) Delete section 3-1.2.3 without substitution.

(r) In section 3-1.2.4, delete the first sentence.

(s) Delete section 3-1.3 without substitution.

(t) Amend the second sentence of section 4-1.2 to read as follows: A trained person shall service the fire extinguishers once every year, as outlined in section 4-4.

(u) Delete section 4-2 in its entirety.

(v) Amend section 4-4.3.1 to read as follows:

4-4.3.1* Fire extinguisher shells that pass the applicable six (6) year requirement of 4-4.1.4 shall have the test information recorded on a suitable metallic label or equally durable material, a minimum size of two (2) inches by three and one-half (3½) inches (5.1 cm x 8.9 cm).

The label shall be affixed to the shell by means of a heatless process. These labels shall be self-destructive when removal from a fire extinguisher is attempted. These labels shall include the following information:

(a) Month and year the test was performed, indicated by a perforation such as by a hand punch.

(b) Name or initials of the person performing the test, and the name of the agency performing the test.

4-4.3.1.1 In addition to having a label affixed to the shell, rechargeable dry chemical fire extinguishers shall have an internal legible marking to indicate the following:

(a) Month and year the maintenance was performed.

(b) Name or initials of person performing the maintenance and the name of the agency.

If a label is used for the above marking, it shall be of material that is component-listed for that purpose.

(w) Chapter 6 and the appendices are not adopted as part of this code and are intended for use as a guide, and the standards reference therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-3; filed Aug 28, 1998, 5:02 p.m.: 22 IR 92; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3419*)

675 IAC 22-2.2-4 NFPA 15; standard for water spray fixed systems for fire protection

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13-2; IC 22-14; IC 36-8-17

Sec. 4. (a) That certain document, being titled NFPA 15—Standard for Water Spray Fixed Systems for Fire Protection, 1996 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and the same is hereby adopted by reference, as if fully set out in this section except as revised hereafter.

(b) The following documents referenced in NFPA 15 are not adopted, are not enforceable, and are for information purposes

only:

- (1) NFPA 16.
- (2) NFPA 18.
- (3) NFPA 22.
- (4) NFPA 24.
- (5) NFPA 49.
- (6) NFPA 214.
- (7) NFPA 325.
- (8) AWS D 10.9.
- (9) ANSI B16.1.
- (10) ANSI B16.3.
- (11) ANSI B16.4.
- (12) ANSI B16.5.
- (13) ANSI B16.9.
- (14) ANSI B16.11.
- (15) ANSI B16.18.
- (16) ANSI B16.22.
- (17) ANSI B16.25.
- (18) ASTM A182.
- (19) ASTM A234.
- (20) ASTM A536.

(c) The following documents referenced in NFPA 15 are adopted and are enforceable:

- (1) NFPA 13 adopted in 675 IAC 13-1-8.
- (2) NFPA 14 adopted in 675 IAC 13-1-9.
- (3) NFPA 20 adopted in 675 IAC 13-1-10.
- (4) NFPA 25 adopted in section 5 of this rule.
- (5) NFPA 72 adopted in section 17 of this rule.
- (d) "NOTES" that are not a part of a table, figure, or graph are not enforceable as part of this code.
- (e) Amend section 1-4 as follows:
 - (1) Amend the following definitions:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

FLAMMABLE AND COMBUSTIBLE LIQUIDS. See the Indiana Fire Code.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(2) Add the following definitions:

BUILDING CODE means the Indiana Building Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

ELECTRICAL CODE means the Indiana Electrical Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

FIRE CODE means the Indiana Fire Code.

INDIANA FIRE CODE means the Uniform Fire Code, 1997 Edition, Volumes 1 and 2 as adopted by reference in section 1 of this rule.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

(f) In section 1-4, delete the following definition: SHOULD.

(g) Delete section 1-8 in its entirety.

(h) Amend section 3-3.2.3 to read as follows: Tapping or drilling of load-bearing structural members shall be in accordance with the building code (675 IAC 13).

(i) Amend the exception to section 4-1.2 to read as follows: Other design objectives requiring different protection shall be permitted in accordance with 675 IAC 12-6-11.

(j) Delete Chapter 5 and substitute to read: Plans and hydraulic calculations shall be submitted in accordance with 675 IAC 12-6.

(k) Delete section 7-1 without substitution.

(l) Chapter 10 and the appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-4; filed Aug 28, 1998, 5:02 p.m.: 22 IR 94; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3419*)

675 IAC 22-2.2-5 NFPA 25; standard for the inspection, testing, and maintenance of water-based fire protection systems

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 5. (a) That certain document, being titled NFPA 25—Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems, 1995 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and same is hereby adopted by reference, as if fully set out in this section except as revised hereafter.

(b) The following documents referenced in NFPA 25 are not adopted, are not enforceable, and are for information purposes only:

- (1) NFPA 16.
- (2) NFPA 16A.
- (3) NFPA 22.
- (4) NFPA 110.
- (5) NFPA 307.
- (6) NFPA 1962.

(7) AWWA D100 (AWS D5.2).

(c) The following documents referenced in NFPA 25 are adopted and are enforceable:

- (1) NFPA 11 adopted in 675 IAC 13-1-6 [675 IAC 13-1-6 was repealed filed Aug 15, 1997, 8:54 a.m.: 21 IR 104.].
- (2) NFPA 13 adopted in 675 IAC 13-1-8.
- (3) NFPA 15 adopted in section 4 of this rule.
- (4) NFPA 20 adopted in 675 IAC 13-1-10.
- (5) NFPA 72 adopted in section 17 of this rule.

(d) “NOTES” that are not a part of a table, figure, or graph are not enforceable as part of this code.

(e) Amend section 1-1 by deleting in the fifth sentence the phrase “in accordance with generally accepted practices” and in the sixth sentence delete the phrase “in accordance with generally accepted practices” and substitute the word “properly”.

(f) Amend section 1-4.2 by deleting the last sentence of the second paragraph and substituting the following: These tasks shall be performed by qualified individuals.

(g) Amend section 1-4.3 to read as follows: The owner or occupant shall notify the servicing fire department and the alarm receiving facility before testing/shutting down a system or its supply. The notification shall include the purpose for the shutdown, the system or component involved, and the estimated time of shutdown. The servicing fire department shall be notified when the system is returned to service.

(h) Amend section 1-4.7 by deleting the last sentence without substitution.

(i) Amend section 1-5 as follows:

(1) Amend the following definitions to read as follows:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

AUTHORITY HAVING JURISDICTION means the state building commissioner, the state fire marshal, or officer of

a local unit of government empowered by law to administer and enforce the rules of the commission.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

QUALIFIED: See Qualified Individual.

(2) Add the following definitions:

FIRE CODE means the Indiana Fire Code.

INDIANA FIRE CODE means the Uniform Fire Code, 1997 Edition, Volumes 1 and 2 as adopted by reference in section 1 of this rule.

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

QUALIFIED INDIVIDUAL means a person having successfully completed a course of instruction related to the equipment being installed, serviced, or repaired. Such instruction shall be provided by the manufacturer of the equipment or their authorized representative.

(j) Amend section 1-7 to read as follows: Where an impairment to a water-based fire protection system occurs, the procedures outlined in Chapter 10 of this standard shall be followed, including the attachment of a tag to the impaired system. The servicing fire department shall be notified when a system is impaired and when the system is returned to service.

(k) In section 2-2.5, delete the word "adequate" in the last sentence.

(l) In section 4-1, delete Exception No. 2.

(m) In section 4-3.1, amend the last sentence to read as follows: Any flow test results that indicate deterioration of available waterflow and pressure shall be investigated to ensure that the available waterflow and pressure provide the waterflow and pressure the fire protection system was designed to provide.

(n) Delete section 4-3.4 without substitution.

(o) Amend section 5-1.6 to read as follows: The energy sources for the pump driver shall supply the necessary brake horsepower of the driver so that the pump meets system demand.

(p) In sections 5-3.4.1 and 5-3.4.2, delete all text after the word "tested".

(q) In section 5-3.5.1, delete "those skilled in such matters" and substitute "a qualified individual".

(r) Amend section 6-4.12 to read as follows: Repair work and replacement parts shall meet the original design criteria.

(s) Amend section 6-4.14 to read as follows: All welding performed on the tank shall be completed and tested in accordance with nationally recognized standards.

(t) Amend section 7-4 to read as follows: Water spray fixed systems shall be maintained to ensure they perform as designed. Frequency of system tests shall be in accordance with Table 7-3.1. They shall be serviced in accordance with this standard and with the manufacturer's instructions.

(u) Amend section 7-4.1.3 to read as follows: The owner's representative and the servicing fire department or fire brigade shall be notified that testing is to be conducted so they have the opportunity to observe the inspection and testing of the water spray fixed system.

(v) Amend section 7-4.3.4 as follows:

(1) Amend the second sentence to read as follows: A second pressure reading shall be recorded at the deluge valve.

(2) In the third sentence, delete everything after "met".

(w) In section 7-4.4, delete everything after the words "tested simultaneously".

(x) Amend section 8-1.2 to read as follows: This section shall apply to foam-water systems.

This section does not include systems detailed in NFPA 11, Standard for Low Expansion Foam.

(y) In section 9-3.2.2, delete the words "applicable NFPA standards" and substitute "rules of the commission".

(z) In section 9-3.2.3, delete the words "applicable NFPA standards" and substitute "rules of the commission".

(aa) In section 9-3.3.1, Exception No. 1, delete the words "applicable NFPA standards" and substitute "rules of the commission".

(bb) In section 9-6.1.1, amend the exception to read as follows: Valves secured with locks or electrically supervised in accordance with the rules of the commission shall be inspected monthly.

(cc) In section 9-6.1.2, amend the exception to read as follows: Valves secured with locks or electrically supervised in

accordance with the rules of the commission shall be inspected monthly.

(dd) Amend section 9-6.3.1 by deleting the word “trained” and substituting “Qualified”.

(ee) Chapter 12 and the appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-5; filed Aug 28, 1998, 5:02 p.m.: 22 IR 95; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3419*)

675 IAC 22-2.2-6 NFPA 33; standard for spray application using flammable and combustible materials

Authority: IC 22-13-2-13

Affected: IC 4-22-2; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 6. (a) That certain document, being titled NFPA 33–Standard for Spray Application Using Flammable and Combustible Materials, 1995 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and the same is hereby adopted by reference as if fully set out in this section, except as revised.

(b) The following documents referenced in NFPA 33 are not adopted, are not enforceable, and are for information purposes only:

- (1) NFPA 30.
- (2) NFPA 43B.
- (3) NFPA 68.
- (4) NFPA 69.
- (5) NFPA 77.
- (6) NFPA 91.
- (7) NFPA 101.
- (8) NFPA 220.
- (9) NFPA 255.
- (10) NFPA 259.
- (11) UL 900.
- (12) ASTM E136.

(c) The following documents referenced in NFPA 33 are adopted and are enforceable:

- (1) NFPA 10 adopted in section 5 of this rule.
- (2) NFPA 12 adopted in 675 IAC 13-1-7 [*675 IAC 13-1-7 was repealed filed Aug 15, 1997, 8:54 a.m.: 21 IR 104.*].
- (3) NFPA 13 adopted in 675 IAC 13-1-8.
- (4) NFPA 17 adopted in 675 IAC 13-1-9.5.
- (5) NFPA 51B adopted in section 12 of this rule.
- (6) NFPA 86 adopted in section 18 of this rule.
- (7) NFPA 2001 adopted in 675 IAC 13-1-28.

(d) “NOTES” that are not a part of a table, figure, or graph are not enforceable as part of this code.

(e) In section 1-2.1, delete everything after the first sentence.

(f) Delete section 1-5.

(g) Amend section 1-6 as follows:

(1) Amend the following definitions:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose. AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LIQUID means a material that has a melting point which is equal to or less than sixty-eight degrees Fahrenheit (68°F)

(twenty degrees Celsius (20°C)) and a boiling point which is greater than sixty-eight degrees Fahrenheit (68°F) (twenty degrees Celsius (20°C)) at 14.7 psi (101.3 kPa). When not otherwise identified, the term “liquid” includes both flammable and combustible liquids.

COMBUSTIBLE LIQUID means a liquid having a flash point at or above one hundred degrees Fahrenheit (100°F) (thirty-seven and eight-tenths degrees Celsius (37.8°C)). Combustible liquids are subdivided as follows. The category of combustible liquids does not include compressed gases or cryogenic fluids.

Class II liquids are those having closed cup flash points at or above one hundred degrees Fahrenheit (100°F) (thirty-seven and eight-tenths degrees Celsius (37.8°C)) and below one hundred forty degrees Fahrenheit (140°F) (sixty degrees Celsius (60°C)).

Class III-A liquids are those having closed cup flash points at or above one hundred forty degrees Fahrenheit (140°F) (sixty degrees Celsius (60°C)) and below two hundred degrees Fahrenheit (200°F) (ninety-three and three-tenths degrees Celsius (93.3°C)).

Class III-B liquids are those liquids having closed cup flash points at or above two hundred degrees Fahrenheit (200°F) (ninety-three and three-tenths degrees Celsius (93.3°C)).

FLAMMABLE LIQUIDS means a liquid having a closed cup flash point below one hundred degrees Fahrenheit (100°F) (thirty-seven and eight-tenths degrees Celsius (37.8°C)). The category of flammable liquids does not include compressed gases or cryogenic fluids. Flammable liquids are further categorized into a group known as Class I liquids. The Class I category is subdivided as follows:

Class I-A liquids include those having a flash point below seventy-three degrees Fahrenheit (73°F) (twenty-two and eight-tenths degrees Celsius (22.8°C)) and having a boiling point below one hundred degrees Fahrenheit (100°F) (thirty-seven and eight-tenths degrees Celsius (37.8°C)).

Class I-B liquids include those having a flash point below seventy-three degrees Fahrenheit (73°F) (twenty-two and eight-tenths degrees Celsius (22.8°C)) and having a boiling point at or above one hundred degrees Fahrenheit (100°F) (thirty-seven and eight-tenths degrees Celsius (37.8°C)).

Class I-C liquids include those having a flash point at or above seventy-three degrees Fahrenheit (73°F) (twenty-two and eight-tenths degrees Celsius (22.8°C)) and below one hundred degrees Fahrenheit (100°F) (thirty-seven and eight-tenths degrees Celsius (37.8°C)).

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

SPRAY BOOTH means a mechanically ventilated appliance of varying dimensions and construction provided to enclose or accommodate a spraying operation and to confine and limit the escape of spray vapor and residue and to exhaust it safely.

SPRAYING AREA mean an area in which quantities of flammable vapors or combustible residues, dusts, or deposits are present due to the operation of spraying processes.

SPRAYING ROOM means a room designed to accommodate spraying operations complying with the building code requirements for a Group H, Division 2 Occupancy.

(2) Add the following definitions:

BUILDING CODE means the Indiana Building Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

ELECTRICAL CODE means the Indiana Electrical Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

FIRE CODE means the Indiana Fire Code.

INDIANA FIRE CODE means the Uniform Fire Code, 1997 Edition, Volumes 1 and 2 as adopted by reference in section 1 of this rule.

MECHANICAL CODE means the Indiana Mechanical Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

(h) Amend section 2-2 to read as follows: Location: Spray application operations and processes shall be in accordance with the building code (675 IAC 13) and the Indiana Fire Code.

(i) Amend section 3-1.1 to read as follows: Spray booths shall be constructed of steel not less than forty-four thousandths

(0.044) inch (1.118 mm) (eighteen (18) gage in thickness or other approved noncombustible materials).

(j) Amend section 3-1.3 to read as follows: Spray rooms shall be constructed and separated from surrounding areas of the building in accordance with the building code (675 IAC 13) and the Indiana Fire Code.

(k) Amend section 3-1.4 to read as follows: Enclosed spray booths and spray rooms shall be provided with means of egress in accordance with the building code (675 IAC 13).

(l) Amend section 3-3 to read as follows: Separation from Other Occupancies. Spray booths shall be separated from other operations in accordance with the building code (675 IAC 13). Multiple connected spray booths shall be considered as “other operations”.

(m) Amend section 4-1 to read as follows: Electrical wiring and utilization equipment shall be in accordance with the Indiana Electrical Code (675 IAC 17) and this chapter.

(n) In section 4-6, after the words “requirements of”, delete the words “Section 400-2 of”.

(o) Amend section 5-1 to read as follows: Ventilating and exhaust systems shall be designed and installed in accordance with the building code (675 IAC 13) and the mechanical code (675 IAC 18).

(p) Delete section 5-3.

(q) Delete section 5-4.

(r) Delete section 5-7.

(s) Amend section 5-9 to read as follows: Exhaust ducts shall be provided with doors, panels, or other means to facilitate inspection, maintenance, cleaning, and access to fire protection devices.

(t) Amend section 6-1 to read as follows: Storage handling and mixing of flammable and combustible liquids shall be in accordance with the Indiana Fire Code.

(u) Delete section 6-2 through 6-5 without substitution.

(v) Amend section 7-1 to read as follows: Spray areas and mixing rooms shall be protected with an approved automatic fire-extinguishing system in accordance with the building code (675 IAC 13).

(w) Delete sections 7-2 through 7-2.5 without substitution.

(x) Delete sections 7-3 through 7-3.2 without substitution.

(y) Amend section 7-4 to read as follows: Approved portable fire extinguishers shall be installed in accordance with NFPA 10 (675 IAC 22-2.2-3).

(z) Delete section 8-11 without substitution.

(aa) Delete the text of Chapter 9 and substitute to read as follows: See the Indiana Fire Code.

(bb) Delete the text of Chapter 10 and substitute to read as follows: See the Indiana Fire Code.

(cc) In section 12-1, delete the word “adequate”, and, after the word “ventilation”, insert the words “in accordance with the building code (675 IAC 13)”.

(dd) Delete the text of Chapter 13 and substitute the following: See the Indiana Fire Code.

(ee) Delete the text of Chapter 14 and substitute the following: See the Indiana Fire Code.

(ff) Delete the text of Chapter 15 and substitute the following: See the Indiana Fire Code.

(gg) Delete the text of Chapter 16 and substitute the following: In accordance with local ordinance.

(hh) Chapter 17 and the appendices are not adopted as part of the code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-6; filed Aug 28, 1998, 5:02 p.m.: 22 IR 96; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3419*)

675 IAC 22-2.2-7 NFPA 34; dipping and coating processes using flammable or combustible liquids

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13-2; IC 22-14; IC 36-8-17

Sec. 7. (a) That certain standard, being titled as NFPA 34, Dipping and Coating Processes Using Flammable or Combustible Liquids, 1995 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and the same is hereby adopted by reference, as if fully set out in this section, except as revised hereafter.

(b) The following documents referenced in NFPA 34 are not adopted, are not enforceable, and are for information purposes only:

(1) NFPA 30.

(2) NFPA 77.

- (3) NFPA 91.
- (4) NFPA 220.
- (c) The following documents referenced in NFPA 34 are adopted and are enforceable:
 - (1) NFPA 10 adopted in section 3 of this rule.
 - (2) NFPA 11 adopted in 675 IAC 13-1-6 [675 IAC 13-1-6 was repealed filed Aug 15, 1997, 8:54 a.m.: 21 IR 104.].
 - (3) NFPA 12 adopted in 675 IAC 13-1-7 [675 IAC 13-1-7 was repealed filed Aug 15, 1997, 8:54 a.m.: 21 IR 104.].
 - (4) NFPA 13 adopted in 675 IAC 13-1-8.
 - (5) NFPA 15 adopted in section 4 of this rule.
 - (6) NFPA 17 adopted in 675 IAC 13-1-9.5.
 - (7) NFPA 86 adopted in section 18 of this rule.
 - (8) NFPA 2001 adopted in 675 IAC 13-1-28.
- (d) "NOTES" that are not a part of a table, figure, or graph are not enforceable as part of this code.
- (e) In section 1-2.1, delete everything after the first sentence.
- (f) Delete section 1-5 without substitution.
- (g) Amend section 1-6 as follows:
 - (1) Amend the following definitions:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose. AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

BOILING POINT means the boiling point of a liquid at a pressure of 14.7 psi (101.3 kPa). Where an accurate boiling point is unavailable for the material in question, or for mixtures which do not have a constant boiling point, for purposes of this classification, the ten percent (10%) point of a distillation performed in accordance with nationally recognized standards is allowed to be used as the boiling point of the liquid. See Article 90, Standard a.4.3 of the Indiana Fire Code.

CLOSED CONTAINER means a container sealed by means of a lid or other device such that liquid, vapor, or dusts will not escape from it under ordinary conditions of use or handling.

DIP TANK means a tank, vat, or container of flammable or combustible liquid in which articles or materials are immersed for the purpose of coating, finishing, treating, or similar processes.

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LIQUID means a material that has a melting point which is equal to or less than sixty-eight degrees Fahrenheit (68°F) (twenty degrees Celsius (20°C)) and a boiling point which is greater than sixty-eight degrees Fahrenheit (68°F) (twenty degrees Celsius (20°C)) at 14.7 psi (101.3 kPa). When not otherwise identified, the term "liquid" includes both flammable and combustible liquids.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner. NONCOMBUSTIBLE, as applied to building construction materials, means a material which, in the form in which it is used, is either one (1) of the following:

- 1. Material of which no part will ignite and burn when subjected to fire. Any material conforming to UBC Standard 2-1 shall be considered noncombustible.
- 2. Material having a structural base of noncombustible material as defined in Item 1 above, with a surfacing material not over one-eighth (1/8) inch (3.2 mm) thick which has a flame-spread rating of fifty (50) or less.

"Noncombustible" does not apply to surface finish materials. Material required to be noncombustible for reduced clearances to flues, heating appliances, or other sources of high temperature shall refer to material conforming to Item 1. No material shall be classed as noncombustible which is subject to increase in combustibility or flame-spread rating, beyond the limits herein established, through the effects of age, moisture, or other atmospheric condition.

Flame-spread rating as used herein refers to rating obtained according to tests conducted as specified in UBC Standard 8-1.

(2) Add the following definitions:

BUILDING CODE means the Indiana Building Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

ELECTRICAL CODE means the Indiana Electrical Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

INDIANA FIRE CODE means the Uniform Fire Code, 1997 Edition, Volumes 1 and 2 as adopted by reference in section 1 of this rule.

MECHANICAL CODE means the Indiana Mechanical Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

(h) Amend section 2-1 to read as follows: Dipping and coating processes shall be separated from other operations, materials, or occupancies in accordance with the building code (675 IAC 13).

(i) Delete the text of section 2-4 and substitute to read as follows: Dipping and coating processes shall be located in accordance with the building code (675 IAC 13).

(j) In section 3-1.1, delete the last sentence.

(k) In section 3-6.2, after the word "safe", insert the word "outside".

(l) In section 3-7.1, delete the words "NFPA 30, Flammable and Combustible Liquids Code" and insert the words "the Indiana Fire Code".

(m) In section 5-1, delete the words "NFPA 91, Standard for Exhaust Systems for Air Conveyors and Materials" and insert the words "the mechanical code (675 IAC 18)".

(n) In section 5-3, delete the phrase "and adequate supply of" at the beginning of the first sentence.

(o) Delete the text of section 5-6 and substitute to read as follows: Exhaust ducts and fasteners shall be in accordance with the mechanical code (675 IAC 18).

(p) Delete the text of Chapter 6 and substitute to read as follows: Storage, handling, and mixing of flammable and combustible liquids shall be in accordance with the Indiana Fire Code.

(q) In section 7-1, delete the words "authority having jurisdiction" and insert the words "building code" (675 IAC 13).

(r) In section 8-1, delete the last sentence.

(s) Delete section 8-6 and substitute to read as follows: Where maintenance operations involve the use of welding, burning, or grinding equipment, such operations shall be in accordance with Article 49 of the Indiana Fire Code.

(t) Delete Chapter 10 without substitution.

(u) Chapter 11 and the appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-7; filed Aug 28, 1998, 5:02 p.m.; 22 IR 99; errata filed Jun 21, 1999, 3:33 p.m.; 22 IR 3419*)

675 IAC 22-2.2-8 NFPA 50; standard for bulk oxygen systems at consumer sites

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13-2; IC 22-14; IC 36-8-17

Sec. 8. (a) That certain standard, being titled NFPA 50, Standard for Bulk Oxygen Systems at Consumer Sites, 1996 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and the same is hereby adopted by reference, as if fully set out in this section except as revised hereafter. Chapter 5 of this standard is deleted in its entirety.

(b) The following documents referenced in NFPA 50 are not adopted, are not enforceable, and are for information purposes only:

(1) NFPA 55.

(2) NFPA 99.

(3) NFPA 220.

(4) ANSI/ASME B31.3.

(5) ASME Boiler and Pressure Vessel Code 1993.

- (6) CGA S-1.3.
- (7) ASTM 136.
- (c) NFPA 51 adopted in section 10 of this rule is adopted and is enforceable:
- (1) NFPA 51 adopted in section 10 of this rule.
- (d) "NOTES" that are not a part of a table, figure, or graph are not enforceable as part of this code.
- (e) Delete section 1.2.
- (f) Amend section 1-3 as follows:
- (1) Amend the following definitions:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose. AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

FIRE RESISTIVE CONSTRUCTION: See the building code (675 IAC 13).

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

NONCOMBUSTIBLE/LIMITED-COMBUSTIBLE CONSTRUCTION: See the building code (675 IAC 13).

NONCOMBUSTIBLE MATERIAL means a material which, in the form in which it is used and under the conditions anticipated, will not ignite, burn, support combustion, or release flammable vapors when subjected to fire or heat. Materials reported as noncombustible, when tested in accordance with ASTM E-136, Standard Method of Test for Behavior of Materials in a Vertical Tube Furnace at 750°C, shall be considered noncombustible materials.

- (2) Add the following definitions:

BUILDING CODE means the Indiana Building Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

ELECTRICAL CODE means the Indiana Electrical Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

ACCESSIBLE, READILY, means capable of being reached safely and quickly for operation, repair, or inspection without requiring those to whom ready access is required to climb over or remove obstacles, or to resort to the use of portable access equipment.

- (g) Delete the text of Chapter 2 and substitute to read as follows:

2-1 Location of Bulk Oxygen Systems

2-1.1 Bulk oxygen storage systems shall be located in accordance with the building code (675 IAC 13).

(h) Amend section 3-1.2 to read as follows: Liquid oxygen containers shall be listed or labeled.

(i) Amend section 3-1.3 to read as follows: High-pressure gaseous oxygen containers shall be listed or labeled.

(j) Amend section 3-2.1 to read as follows: Piping, tubing, and fittings shall be listed or labeled for oxygen service and for the pressures and temperatures involved.

(k) Delete section 3-2.2.

(l) Delete section 3-2.3.

(m) Amend section 3-5.9 to read as follows: Electrical wiring for bulk oxygen equipment shall be in accordance with the Indiana Electrical Code (675 IAC 17).

(n) Chapter 5 and the appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-8; filed Aug 28, 1998, 5:02 p.m.; 22 IR 101; errata filed Jun 21, 1999, 3:33 p.m.; 22 IR 3419*)

675 IAC 22-2.2-9 NFPA 50B; standard for liquefied hydrogen systems at consumer sites

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 9. (a) That certain document, being titled NFPA 50B, Standard for Liquefied Hydrogen Systems at Consumer Sites, 1994 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and same is hereby adopted by reference, as if fully set out in this section except as revised hereafter.

(b) The following documents referenced in NFPA 50B are not adopted, are not enforceable, and are for information purposes only:

- (1) NFPA 220.
- (2) NFPA 259.
- (3) NFPA 496.
- (4) ASME B31.3.
- (5) ASME Boiler and Pressure Vessel Code.
- (6) CGA S-1.1.
- (7) CGA S-1.2.
- (8) CGA S-1.3.
- (9) ASTM E136.

(c) "NOTES" that are not a part of a table, figure, or graph are not enforceable as part of this code.

(d) Delete section 1-2 without substitution.

(e) In section 1-3, amend the following definitions:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

AUTHORITY HAVING JURISDICTION means the state building commissioner, the state fire marshal or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

OUTDOOR LOCATION means outside of any building or structure.

(f) In section 1-3, add the following definitions:

BUILDING CODE means the Indiana Building Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

ELECTRICAL CODE means the Indiana Electrical Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

QUALIFIED means having successfully completed a course of instruction related to the equipment being installed, serviced, or repaired. Such instruction shall be provided by the manufacturer of the equipment or their authorized representative.

(g) Delete section 4-1.2 without substitution.

(h) Delete the text of section 4-2 and substitute to read as follows: Buildings or portions of buildings which contain liquefied hydrogen shall be constructed in accordance with the building code (675 IAC 13).

(i) Delete section 4-3 without substitution.

(j) Chapter 8 and the appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-9; filed Aug 28, 1998, 5:02 p.m.: 22 IR 102; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3419*)

675 IAC 22-2.2-10 NFPA 51; oxygen-fuel gas system for welding, cutting, and allied processes

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13-2; IC 22-14; IC 36-8-17

Sec. 10. (a) That certain standard, being titled as NFPA 51, Oxygen-Fuel Gas System for Welding, Cutting and Allied Processes, 1997 Edition, published by the National Fire Protection Association, 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and the same is hereby adopted by reference, as if fully set out in this section, except as revised hereafter.

(b) The following documents referenced in NFPA 51 are not adopted, are not enforceable, and are for information purposes only:

- (1) NFPA 54.
- (2) NFPA 220.
- (3) ANSI B31.3.
- (4) ANSI 249.1.
- (5) ASTM B-88.
- (6) ASTM E136.
- (7) ANSI/CGA C4.
- (8) ANSI CGA V1.
- (9) CGA G1.6.
- (10) CGA F4.1.
- (11) CGA E1.
- (12) CGA E3.

(c) The following documents referenced in NFPA 51 are adopted and are enforceable:

- (1) NFPA 13 adopted in 675 IAC 13-1-8.
- (2) NFPA 15 adopted in section 4 of this rule.
- (3) NFPA 50 adopted in section 8 of this rule.
- (4) NFPA 58 adopted in section 14 of this rule.
- (d) "NOTES" that are not a part of a table, figure, or graph are not enforceable as part of this code.
- (e) Amend section 1-2 as follows:
 - (1) Amend the following definitions:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose. AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LIMITED-COMBUSTIBLE MATERIALS means a material not complying with the definition of noncombustible material, which, in the form in which it is used, has a potential heat value not exceeding three thousand five hundred (3,500) Btu per lb (8,141 kJ/kg) and complies with one (1) of the following paragraphs (a) or (b). Materials subject to increase in combustibility or flame spread rating beyond the limits herein established through the effects of age, moisture, or other atmospheric condition shall be considered combustible.

(a) Materials having a structural base of noncombustible material, with a surfacing not exceeding a thickness of one-eighth (1/8) inch (3.2 mm) that has a flame spread rating not greater than fifty (50).

(b) Materials, in the form and thickness used, other than as described in (a), having neither a flame spread rating greater than twenty-five (25) nor evidence of continued progressive combustion and of such composition that surfaces that would be exposed by cutting through the material on any plane would have neither a flame spread rating greater than twenty-five (25) nor evidence of continued progressive combustion.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation,

that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner. NONCOMBUSTIBLE MATERIAL means a material that, in the form in which it is used, will not ignite, burn, support combustion, or release flammable vapors when subjected to fire or heat. Materials reported as noncombustible, when tested in accordance with ASTM E-136, Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C, shall be considered noncombustible materials.

(2) Add the following definitions:

BUILDING CODE means the Indiana Building Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

MECHANICAL CODE means the Indiana Mechanical Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

(f) Amend section 2-2.2 to read as follows: Separate rooms or buildings used for gas cylinder storage shall be provided with natural or mechanical ventilation designed in accordance with the building code and the mechanical code. Ventilation systems shall discharge a minimum of fifty (50) feet (15 m) from intakes of air handling systems, air conditioning equipment, and air compressors.

(g) In section 3-1.3, amend the last sentence to read: Such buildings or rooms shall be in accordance with the building code (675 IAC 13).

(h) Amend section 3-2.3, Exception, to read as follows:

Exception: An oxygen manifold to which cylinders having an aggregate capacity of more than six thousand five hundred (6,500) cubic feet (168 m³) of oxygen are connected shall be located as follows:

(a) Outdoors, or

(b) In a separate building constructed in accordance with the building code, or

(c) If located inside a building having occupancy other than that directly associated with the production of acetylene, the storage of calcium carbide, or the storage and manifolding of fuel gases used in welding and cutting, shall be in either a separate room constructed in accordance with the building code or in an area with no combustible material within twenty (20) feet (6 m) of the manifold.

(i) Amend section 4-3.1 to read as follows: 4-3.1 Piping shall be protected against corrosion and physical damage. Piping under buildings or foundations shall be provided with a vented casing or located in a well-ventilated tunnel.

(j) In section 6-4.1.2, delete the word “adequate” and substitute “approved”.

(k) In section 6-4.1.4, delete the word “adequate” and substitute “approved”.

(l) In section 6-4.2, delete the word “sufficient” without substitution and add at the end of the sentence “in accordance with the manufacturer’s instructions”.

(m) Amend section 6-5.1.1 to read as follows: Construction of outside generator houses and inside generator rooms for stationary acetylene generators shall be in accordance with the building code (675 IAC 13).

(n) Delete sections 6-5.1.2 through 6-5.1.8.

(o) Amend section 6-5.2 to read as follows: Ventilation. Inside generator rooms or outside generator houses shall be ventilated in accordance with the building code (675 IAC 13) and the Indiana Mechanical Code (675 IAC 18).

(p) Chapter 9 and the appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-10; filed Aug 28, 1998, 5:02 p.m.: 22 IR 103; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3419*)

675 IAC 22-2.2-11 NFPA 51A; standard for acetylene cylinder charging plants

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 11. (a) That certain document, being titled NFPA 51A, Standard for Acetylene Cylinder Charging Plants, 1996 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and same is hereby adopted by reference, as if fully set out in this section except as revised hereafter.

(b) The following documents referenced in NFPA 51A are not adopted, are not enforceable, and are for information purposes only:

(1) NFPA 30.

- (2) NFPA 101.
- (3) NFPA 220.
- (4) ANSI A13.1.
- (5) ASTM E136.
- (c) The following documents referenced in NFPA 51A are adopted and are enforceable:
 - (1) NFPA 13 adopted in 675 IAC 13-1-8.
 - (2) NFPA 15 adopted in section 4 of this rule.
- (d) "NOTES" that are not a part of a table, figure, or graph are not enforceable as part of this code.
- (e) Delete section 1-2.2.
- (f) Amend section 1-3 as follows:
 - (1) Amend the following definitions:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose. AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LIMITED-COMBUSTIBLE MATERIAL: See the building code (675 IAC 13).

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

NONCOMBUSTIBLE MATERIAL means a material that, in the form in which it is used and under the conditions anticipated, will not ignite, burn, support combustion, or release flammable vapors when subjected to fire or heat.

- (2) Add the following definitions:

BUILDING CODE means the Indiana Building Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

ELECTRICAL CODE means the Indiana Electrical Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

FIRE CODE means the Indiana Fire Code.

INDIANA FIRE CODE means the Uniform Fire Code, 1997 Edition, Volumes 1 and 2 as adopted by reference in section 1 of this rule.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

ACCESSIBLE, READILY, means capable of being reached safely and quickly for operation, repair, or inspection without requiring those to whom ready access is requisite to climb over or remove obstacles, or to resort to the use of portable access equipment.

- (g) In section 1-3, delete the following definition: SHOULD.

(h) Amend section 2-1.1 to read as follows: Portions of plants housing acetylene charging and acetylene cylinder storage operations shall be located in accordance with the building code (675 IAC 13).

- (i) Delete section 2-1.2 without substitution.

- (j) Amend section 2-3.3 to read as follows: Exits shall be provided in accordance with the building code (675 IAC 13).

- (k) In section 3-1.2, delete the words "or equivalent wording".

- (l) In section 3-2.2, delete the words "or equivalent wording".

(m) Amend section 4-1 to read as follows: This section shall not govern the design of acetylene generators because of the many variable and complex design features of different types of generators.

- (n) In section 4-5.3, delete the words "equivalent wording".

(o) Amend section 6-1.3 to read as follows: The pressure relief valve vent pipes shall be full size to the termination point outside of the building and shall terminate in a hood or bend directed to a safe location. The hoods or bends shall be located at least

twelve (12) feet (3.6 m) above the ground, at least three (3) feet (0.9 m) from combustible construction, and an approved distance from building openings and sources of ignition. The hood or bend shall be constructed so that it will not be obstructed by rain, snow, ice, or birds.

(p) Amend section 8-2 to read as follows: Acetone storage containers shall be constructed and installed in accordance with the fire code. Aboveground acetone storage containers in excess of one (1) fifty-five (55) gallon (208 L) drum shall be located at least twenty-five (25) feet (7.6 m) from the storage of acetylene cylinders and other flammable gas cylinders.

(q) Amend section 8-5 to read as follows: Charged cylinders shall be stored outside the charging room. In the charging room, they shall be located an approved distance from the charging manifold.

(r) Amend section 9-2.2 to read as follows: The need for automatic water spray system protection for acetylene cylinder charging manifolds and cylinder storage areas shall be determined by the building code. Where automatic water spray systems are installed, they shall be in accordance with NFPA 15, Standard for Water Spray Fixed Systems for Fire Protection.

(s) Amend section 9-2.4 to read as follows: Fire protection equipment shall be conspicuously identified and located so that it is readily visible and accessible in an emergency. Fire hose connections and sprinkler actuation valves shall be located so that they can be operated from outdoors or at an exit.

(t) Amend section 9-2.5 to read as follows: Each plant shall have a written emergency procedure and shall conduct periodic fire drills.

(u) Chapter 11 and the appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-11; filed Aug 28, 1998, 5:02 p.m.: 22 IR 104; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3419*)

675 IAC 22-2.2-12 NFPA 51B; standard for fire prevention in use of cutting and welding processes

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13-2; IC 22-14; IC 36-8-17

Sec. 12. (a) That certain standard, being titled as NFPA 51B, Cutting and Welding Processes, 1994 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and the same is hereby adopted by reference, as if fully set out in this section, except as revised hereafter.

(b) "NOTES" that are not a part of a table, figure, or graph are not enforceable as part of this code.

(c) Add section 1-3 Definitions to read as follows:

1-3 Definitions.

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

FIRE SAFE means an area where combustibles have been removed or protected from ignition sources.

FIRE WATCHER, for the purpose of this standard, means a person trained in the use of fire-extinguishing equipment and fire alarm procedures.

TRAINED means one who has undergone the instructions necessary to perform duties assigned.

(d) Amend section 2-3 to read as follows: The cutter or welder shall cut or weld where conditions are fire safe.

(e) Amend section 3-1 to read as follows: Cutting or welding shall be permitted only in areas that are or have been made fire safe. Within the confines of an operating plant or building, the cutting and welding work area shall be either (1) a specific area designed or approved for such work, such as a maintenance shop, or (2) where work cannot be moved practically, the area shall be made fire safe.

(f) Amend section 3-2 to read as follows:

3-2 Authorization. Before cutting or welding is permitted and at least once per day, the area shall be inspected by the individual responsible for authorizing cutting and welding operations (see section 2-1(b)) to ensure that it is a fire safe area. This individual shall designate precautions to be followed in writing and shall verify the following:

(g) In section 3-4, delete the word "qualified" and insert the word "trained".

(h) In section 4-2, delete the word "competent" and insert the word "trained".

(i) In section 4-4.3, after the word “The” and before the word “fire”, insert the word “servicing”.

(j) The appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-12; filed Aug 28, 1998, 5:02 p.m.: 22 IR 106; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3419*)

675 IAC 22-2.2-13 NFPA 52; standard for compressed natural gas (CNG) vehicular fuel systems

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13-2; IC 22-14; IC 36-8-17

Sec. 13. (a) That certain document, being titled NFPA 52—Standard for Compressed Natural Gas (CNG) Vehicular Fuel Systems, 1995 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and the same is hereby adopted by reference, as if fully set out in this section except as revised hereafter.

(b) The following documents referenced in NFPA 52 are not adopted, are not enforceable, and are for information purposes only:

- (1) NFPA 37.
 - (2) NFPA 54.
 - (3) NFPA 101.
 - (4) NFPA 220.
 - (5) ANSI/AGA NGV1.
 - (6) ANSI/AGA NGV2.
 - (7) API RP 2003.
 - (8) ASHRAE Handbook Fundamentals.
 - (9) ANSI/ASME B31.3.
 - (10) ASME Boiler and Pressure Vessel Code.
 - (11) ASTM A47.
 - (12) ASTM A395.
 - (13) ASTM A536.
 - (14) ASTM E136.
 - (15) ASTM 380.
 - (16) CGA S-1.1.
 - (17) CSA B-51.
 - (18) Title 49, Code of Federal Regulations.
- (c) “NOTES” that are not a part of a table, figure, or graph are not enforceable as part of this code.
- (d) Delete section 1-3.
- (e) Amend section 1-5 as follows:
- (1) Amend the following definitions:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose. AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LIMITED-COMBUSTIBLE: Delete the phrase “as defined in NFPA 220 Standard of Types of Building Construction”.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

NONCOMBUSTIBLE MATERIAL: Delete the phrase “as defined in NFPA 220 Standard of Types of Building

Construction”.

(2) Add the following definitions:

BUILDING CODE means the Indiana Building Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

ELECTRICAL CODE means the Indiana Electrical Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

HAZARDOUS MATERIALS are those chemicals or substances which are hazardous as defined and classified in accordance with the Indiana Fire Code.

INDIANA FIRE CODE means the Uniform Fire Code, 1997 Edition, Volumes 1 and 2 as adopted by reference in section 1 of this rule.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

UNIFORM FIRE CODE (U.F.C.) means the Indiana Fire Code.

(f) Section 3-13.4(d) is amended to read as follows: delete “proved suitable tests” and substitute “approved by the manufacturer”.

(g) Delete section 4-4.2.2 without substitution.

(h) Amend section 4-4.2.3 to read as follows: Compression, storage, and dispensing equipment located outdoors shall be aboveground, shall not be beneath electric power lines or where exposed by power line failure, and shall be located in accordance with the Indiana Fire Code.

(i) Amend section 4-4.2.8 by deleting the word “important”.

(j) Amend section 4-4.3 to read as follows:

4-4.3 Indoors

4-4.3.1 General. Compression, dispensing equipment, and storage containers connected for use are allowed to be located inside of buildings. The buildings shall be constructed in accordance with the building code and the requirements of the Indiana Fire Code Article 80 for flammable gases.

4-4.3.1.1 Quantity Limit. Storage shall be limited to not more than ten thousand (10,000) cubic feet (283,168 L) of natural gas in each building.

EXCEPTION: Compressed natural gas stored in vehicle-mounted fuel-supply containers.

4-4.3.2 Explosion Control. Explosion control shall be provided in accordance with the Indiana Fire Code Article 80.

4-4.3.3 Automatic Fire-extinguishing System. Rooms or buildings used for the storage, compression, or dispensing of CNG shall be protected throughout by an automatic sprinkler system. The automatic sprinkler system shall be designed in accordance with the Indiana Fire Code Article 80 and the building code (675 IAC 13).

4-4.3.4 Mechanical Ventilation. Ventilation shall be provided throughout for buildings or rooms used for the storage, compression, or dispensing of CNG. Ventilation shall be by a continuous mechanical ventilation system or by a mechanical ventilation system activated by a supervised methane gas-detection system when a gas concentration of not more than twenty (20) percent of the lower flammability limit is present. Failure of the mechanical ventilation system shall shut down the fuel compression and dispensing system. The mechanical ventilation system shall be in accordance with the Indiana Fire Code Article 80 and the Indiana Mechanical Code (675 IAC 18). In addition, the mechanical ventilation system shall be designed for both lighter than air and heavier than air vapors.

EXCEPTION: The mechanical ventilation system can be designed for methane when the building or room is used exclusively for the dispensing of CNG.

4-4.3.5 Supervised Methane Gas-Detection System. A supervised methane gas-detection system shall be provided throughout buildings or rooms used for the storage, compression, or dispensing of CNG. The gas-detection system shall sound a distinct alarm signal when a gas concentration of not more than twenty (20) percent of the lower flammability limit is present. Activation of the gas-detection system shall shut down the fuel compression and dispensing system.

4-4.3.6 Electrical Service. Buildings and rooms used for the storage, compression, or dispensing of CNG shall be classified in accordance with Table 4-12 for installations of electrical equipment. Electrical equipment shall be installed in accordance with the Indiana Electrical Code (675 IAC 17).

4-4.3.7 Emergency Shutdown Devices. Emergency shutdown devices shall be provided in rooms or buildings used for storage, compression, or dispensing of CNG. Such devices shall be provided at each dispenser, at each exit, and at the room or building used for the storage or compression of CNG. Activation of the emergency shutdown devices shall shut down the compression and dispensing equipment.

4-4.3.8 Discharge of Relief Devices. Pressure-relief devices on storage and compression systems shall be provided with an approved means of discharging CNG outside of the building. The point of discharge shall be a minimum of ten (10) feet (3,048 mm) from building and ventilation openings, property lines, public ways, and paths of egress. The point of discharge shall not impinge on the building.

4-4.3.9 Signs. Rooms or buildings used for the storage, compression, or dispensing of CNG shall be provided with warning signs with the words WARNING–NO SMOKING–FLAMMABLE GAS. The wording shall be in plainly legible red letters on a white reflective background with letters no less than one (1) inch (25.4 mm) high.

(k) In section 4-5.1, delete the last sentence and substitute the following: Where flooding can occur, they shall be secured in accordance with Appendix II-B of the Indiana Fire Code.

(l) Chapter 6 and the Appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-13; filed Aug 28, 1998, 5:02 p.m.: 22 IR 107; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3419*)

675 IAC 22-2.2-14 NFPA 58; standard for the storage and handling of liquefied petroleum gases

Authority: IC 22-13-2-2

Affected: IC 22-11-15; IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 14. (a) That certain document, being titled NFPA 58, Standard for the Storage and Handling of Liquefied Petroleum Gases, 1995 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and same is hereby adopted by reference, as if fully set out in this section except as revised hereafter.

(b) The following documents referenced in NFPA 58 are not adopted, are not enforceable, and are for information purposes only:

- (1) NFPA 30.
- (2) NFPA 37.
- (3) NFPA 54.
- (4) NFPA 61B.
- (5) NFPA 82.
- (6) NFPA 96.
- (7) NFPA 101.
- (8) NFPA 251.
- (9) NFPA 302.
- (10) NFPA 501A.
- (11) NFPA 501C.
- (12) NFPA 505.
- (13) API-ASME Code for Unfired Pressure Vessels for Petroleum Liquids and Gases.
- (14) API 620.
- (15) ASCE 7.
- (16) ASME Boiler and Pressure Vessels Code.
- (17) ASME B31.3.
- (18) ASME B36.10M.
- (19) ASTM A47.
- (20) ASTM A48.
- (21) ASTM A53.
- (22) ASTM A106.
- (23) ASTM A395.
- (24) ASTM A513.
- (25) ASTM A536.
- (26) ASTM A539.
- (27) ASTM B42.
- (28) ASTM B43.
- (29) ASTM B86.

- (30) ASTM B88.
- (31) ASTM B135.
- (32) ASTM B280.
- (33) ASTM D2513.
- (34) ASTM D2683.
- (35) ASTM D3261.
- (36) ASTM F1055.
- (37) AWS Z49.1.
- (38) ANSI/CGA C-4.
- (39) Title 49, Code of Federal Regulations.
- (40) UL 132.
- (41) UL 144.
- (42) UL 147A.
- (43) UL 147B.
- (44) UL 567.

(c) The following documents referenced in NFPA 58 are adopted and are enforceable:

- (1) NFPA 10 adopted in section 3 of the rule.
- (2) NFPA 15 adopted in section 4 of this rule.
- (3) NFPA 50B adopted in section 9 of this rule.
- (4) NFPA 51 adopted in section 10 of this rule.
- (5) NFPA 51B adopted in section 12 of this rule.
- (6) NFPA 59 adopted in section 13 of this rule.
- (7) NFPA 86 adopted in section 18 of this rule.

(d) "NOTES" that are not a part of a table, figure, or graph are not enforceable as part of this code.

(e) Amend section 1-1.1 by changing the second sentence to read as follows: When the possibility of ammonia contamination exists (such as may be the result from the dual use of transportation or storage equipment), the LP-gas shall be tested in accordance with approved methods.

(f) Amend section 1-1.3.1(c) to read as follows: (c) Marine and pipeline terminals, natural gas processing plants, refineries, or tank farms ("tank farm" storage at industrial locations) is covered by this standard.

(g) Amend section 1-1.3.1(e) to read as follows: (e) LP-gas used with oxygen shall comply with the Indiana Fire Code.

(h) Delete section 1-1.3.1(h).

(i) Delete section 1-1.4 and substitute: See 675 IAC 12-6.

(j) In section 1-1.5, delete the second paragraph without substitution.

(k) Delete section 1-4.

(l) In section 1-6, amend the following definitions:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

AUTHORITY HAVING JURISDICTION means the state building commissioner, or the state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(m) In section 1-6, add to the end of the definition of cylinder the following: "four hundred twenty (420) pounds PROPANE (one hundred (100)) gallons."

(n) In section 1-6, amend the definition of Dispensing Station by amending the second sentence to read as follows: The public is not to be permitted access to the dispensing station area.

(o) In section 1-6, add the following definitions to read:

BUILDING CODE means the Indiana Building Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

ELECTRICAL CODE means the Indiana Electrical Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

FIRE CODE means the Indiana Fire Code.

INDIANA FIRE CODE means the Uniform Fire Code, 1997 Edition, Volumes 1 and 2 as adopted by reference in section 1 of this rule.

INSPECTION AUTHORITY means the state fire marshal, or the fire chief, or the state building commissioner, or the local building official, or their authorized representative.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

MECHANICAL CODE means the mechanical code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

PLUMBING CODE means the plumbing code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

SPECIAL PROTECTION is a means of limiting the temperature of an LP-gas container for purposes of minimizing the possibility of failure of the container as the result of fire exposure.

When required by this standard, special protection is allowed to consist of any of the following: applied insulated coatings, mounding, burial, water spray fixed systems, or fixed monitor nozzles meeting the criteria specified in this standard (see 3-10.3), or by other means approved for this purpose.

(p) Amend section 2-2.1.3 to read as follows: Containers shall be listed and labeled for their intended use. (See Appendices C and D)

(q) Amend section 2-2.1.4 to read as follows: Containers complying with 2-2.1.3 shall be permitted to be reused, reinstalled, or continued in use as follows:

(i) A container shall not be filled if it is not suitable for continued service.

(ii) Containers that have been involved in a fire and show no distortion shall be retested using the hydrostatic test procedure applicable at the time of original fabrication, and relabeled by the manufacturer or the manufacturer's authorized representative. All appurtenances shall be replaced.

(r) Amend section 2-2.2.1 to read as follows: The minimum design or service pressure of containers shall be in accordance with their listing.

(s) Amend section 2-2.2.3(c) to read as follows: (c) Wind loading on containers shall be based on wind pressures on the projected area as required by the building code (675 IAC 13).

(t) Amend section 2-2.2.3.(d) to read as follows: (d) Seismic loading on containers shall be as required by the building code (675 IAC 13).

(u) In section 2-2.5.4, amend the first sentence to read as follows: Containers to be used as portable storage containers (see definition) for temporary stationary service shall comply with the following (this shall apply to movable fuel storage tenders, including farm carts):

(v) In section 2-2.6.6, amend the first sentence by deleting the word "service".

(w) In section 2-3.1.2, amend the first sentence by deleting the word "suitable" and substituting "listed".

(x) Delete section 2-3.2.3 and substitute the following: American Society of Mechanical Engineers (ASME) containers for LP-gas shall be equipped with listed direct spring-loaded relief valves or equivalent.

(y) Amend section 2-4.1.2 to read as follows: Piping, pipe, and tubing fittings and valves used to supply utilization equipment shall be in accordance with the mechanical code (675 IAC 18).

(z) Amend section 2-4.1.3 to read as follows: Pipe and tubing shall comply with sections 2-4.2 and 2-4.3 or shall be of material which has been approved for its intended use.

(aa) Amend the last sentence in section 2-4.6.1 to read as follows: Hose, hose connections, and flexible connectors (*see definition) shall be listed for use with LP-gas both as liquid and vapor. If wire braid is used for reinforcement, it shall be of corrosion-resistant material.

(bb) Amend the title of section 2-6 to read "APPLIANCES IN BUILDINGS".

(cc) Amend section 2-6.1 to read as follows: Approved appliances: See the mechanical code (675 IAC 18).

(dd) Amend section 3-2.2.2 by deleting the word "important" and the phrase "that can be built upon".

(ee) Amend section 3-2.2.7(e) by deleting the last sentence and substituting the following: Horizontal separation is not required between aboveground LP-gas containers and underground tanks containing flammable or combustible liquids installed in accordance with Article 79 of the Indiana Fire Code.

(ff) Amend section 3-2.2.7(f) to read as follows: (f) The minimum separation between LP-gas containers and oxygen or gaseous hydrogen containers shall be in accordance with Table 3-2.2.7(f) except that lesser distances are allowed where protective structures interrupt the line of sight between uninsulated portions of the oxygen or hydrogen containers and the LP-gas containers. The location and arrangement of such structures shall minimize the problems cited in the note to section 3-2.2.8. The minimum separation between LP-gas containers and liquefied hydrogen containers shall be in accordance with Article 75 of the fire code.

(gg) Amend section 3-2.2.7(h) by adding a second sentence to read as follows: See Appendix II-B of the fire code.

(hh) Amend section 3-2.8.7 by deleting the second paragraph in its entirety.

(ii) Delete section 3-4.3.8 in its entirety.

(jj) Amend section 3-4.9.1 to read as follows: Containers are allowed to be installed on noncombustible roofs of buildings constructed as required for an occupancy separation having a fire-resistive rating of not less than the following:

Groups B, F, M, and S Occupancies, Two Hours

All other occupancies, Four Hours

EXCEPTION: When the quantity of gas does not exceed sixty (60) gallons (227.1 L), a noncombustible roof without a fire-resistive rating is allowed.

(kk) Amend section 3-6.2.6 by deleting subsection (a) and substituting subsection (b) as (a).

(ll) Add a section 4-2.2.1.1 to read as follows: 4-2.2.1.1 Containers to Be Filled. Containers shall be filled only by the owner or upon the owners' authorizations in accordance with IC 22-11-15.

(mm) Delete the text of Chapter 7 and substitute as follows: 7-1 See the building code (675 IAC 13).

(nn) In the first sentence of section 9-1.5, delete the words "ICBO Uniform" and add "(675 IAC 13)" after ":building code".

(oo) In section 9-1.5, delete the second sentence without substitution.

(pp) Chapter 11 and the appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-14; filed Aug 28, 1998, 5:02 p.m.: 22 IR 109; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3420*)

675 IAC 22-2.2-15 NFPA 59; standard for storage and handling of liquefied petroleum gases at utility gas plants

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13-2; IC 22-14; IC 36-8-17

Sec. 15. (a) That certain document, being titled NFPA 59—Standard for the Storage and Handling of Liquefied Petroleum Gases at Utility Gas Plants, 1995 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9109, be and the same is hereby adopted by reference, as if fully set out in this section except as revised hereafter.

(b) The following documents referenced in NFPA 59 are not adopted, are not enforceable, and are for information purposes only:

- (1) NFPA 16.
- (2) NFPA 22.
- (3) NFPA 24.
- (4) NFPA 780.
- (5) NFPA 1221.
- (6) NFPA 1962.
- (7) NFPA 1963.
- (8) NFPA 1971.
- (9) NFPA 1981.
- (10) API 620-1990.
- (11) ASCE 7.
- (12) ASME Boiler and Pressure vessel Code.
- (13) ASME B31.3.
- (14) ASTM A47.

- (15) ASTM A48.
- (16) ASTM A395.
- (17) ASTM A536.
- (c) The following documents referenced in NFPA 59 are adopted and are enforceable:
 - (1) NFPA 10 adopted in section 3 of this rule.
 - (2) NFPA 11 adopted in 675 IAC 13-1-4.
 - (3) NFPA 12 adopted in 675 IAC 13-1-5.
 - (4) NFPA 13 adopted in 675 IAC 12-1-8 [675 IAC 12-1-8 was repealed filed Jul 17, 1997, 2:30 p.m.: 10 IR 2699.].
 - (5) NFPA 14 adopted in 675 IAC 13-1-9.
 - (6) NFPA 15 adopted in section 4 of this rule.
 - (7) NFPA 17 adopted in 675 IAC 13-1-9.5.
 - (8) NFPA 20 adopted in 675 IAC 13-1-10.
 - (9) NFPA 51B adopted in section 12 of this rule.
 - (10) NFPA 58 adopted in section 14 of this rule.
 - (11) NFPA 72 adopted in section 17 of this rule.

(d) "NOTES" that are not a part of a table, figure, or graph are not enforceable as part of this code.

(e) Delete section 1-3.2 without substitution.

(f) Amend section 1-4 as follows:

(1) Amend the following definitions:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose. LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(2) Add the following definitions:

AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

BUILDING CODE means the Indiana Building Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

ELECTRICAL CODE means the Indiana Electrical Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

INDIANA FIRE CODE means the Uniform Fire Code, 1997 Edition, Volumes 1 and 2 as adopted by reference in section 1 of this rule.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

QUALIFIED means having successfully completed a course of instruction related to the equipment being installed, serviced, or repaired.

(g) Amend section 1-7 to read as follows: Where damage to liquefied petroleum gas systems from vehicular traffic is a possibility, protection shall be provided in accordance with section 8001.11.3 of the Indiana Fire Code.

(h) In section 1-8.2, delete the word "adequate" without substitution.

(i) Amend section 1-10.1.1 to read as follows: Smoking shall be permitted only in designated areas.

(j) Amend section 2-5.1.9 as follows:

(1) Delete the words "Uniform Building Code (U.B.C.)" and insert the words "building code (675 IAC 13)".

(2) In the last sentence, delete the word "UBC" and insert the words "building code (675 IAC 13)".

(k) Amend section 2-8.3 to read as follows: For individual underground nonrefrigerated installations, the authority having jurisdiction may approve the use of increased filling densities where the maximum ground temperatures do not exceed sixty degrees

Fahrenheit (60°F) (fifteen and six-tenths degrees Celsius (15.6°C)). These filling densities shall be based on sound engineering practices for the operating conditions involved.

(l) Amend section 3-1.4 as follows:

(1) In the first sentence, delete the words “ICBO Uniform Building Code (UBC)” and insert the words “the building code (675 IAC 13)”.

(2) In the second sentence, delete the word “UBC” and insert “building code (675 IAC 13)”.

(m) In section 3-1.8.1, delete the last sentence.

(n) Amend section 7-1.3 as follows: In the second sentence, delete the word “competent” and insert the word “qualified”.

(o) Amend section 8-4.1 to read as follows: Each facility shall maintain a record of all operating log sheets and recorded data. These records shall be made immediately available to the authority having jurisdiction upon request.

(p) Amend section 9-5.1 to read as follows: Each facility shall maintain a record of all maintenance log sheets of process equipment. These records shall be made immediately available to the authority having jurisdiction upon request.

(q) In section 10-8.2, delete everything after the first sentence.

(r) In section 10-8.3, delete everything after the first sentence.

(s) Chapter 11 and the appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-15; filed Aug 28, 1998, 5:02 p.m.: 22 IR 111; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3420*)

675 IAC 22-2.2-16 NFPA 59A; standard for production, storage, and handling of liquefied natural gas (LNG)

Authority: IC 22-13-2-13

Affected: IC 4-22-2; IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 16. (a) That certain document, being titled NFPA 59A—Standard for the Production, Storage and Handling of Liquefied Natural Gas (LNG), 1996 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and same is hereby adopted by reference, as if fully set out in this section, except as revised hereafter.

(b) The following documents referenced in NFPA 59A are not adopted, are not enforceable, and are for information purposes only:

- (1) NFPA 30.
- (2) NFPA 37.
- (3) NFPA 54.
- (4) NFPA 101.
- (5) NFPA 255.
- (6) NFPA 385.
- (7) NFPA 1221.
- (8) NFPA 1901.
- (9) NFPA 1971.
- (10) NFPA 1981.
- (11) ACI 304R.
- (12) ACI 311.4R.
- (13) ACI 318.
- (14) ACI 344R-W.
- (15) ACI 506R.
- (16) API 6D.
- (17) API 620.
- (18) API 2510.
- (19) ASCE 7.
- (20) ASME Boiler and Pressure Vessel Code.
- (21) ASME B31.3.
- (22) ASME B31.5.
- (23) ASME B31.8.
- (24) ASTM A82.

- (25) ASTM A185.
- (26) ASTM A227.
- (27) ASTM A366.
- (28) ASTM A416.
- (29) ASTM A421.
- (30) ASTM A615.
- (31) ASTM A821.
- (32) ASTM C33.
- (33) ASTM E380.
- (34) CGA 341.
- (35) CGA S-1.3.
- (36) GRI Report 0176.
- (37) GRI Report 0242.

(c) The following documents are adopted and are enforceable:

- (1) NFPA 10 adopted in section 3 of this rule.
- (2) NFPA 51B adopted in section 12 of this rule.
- (3) NFPA 58 adopted in section 14 of this rule.
- (4) NFPA 59 adopted in section 15 of this rule.
- (5) NFPA 72 adopted in section 17 of this rule.
- (6) NFPA 701 adopted in section 24 of this rule.

(d) "NOTES" that are not a part of a table, figure, or graph are not enforceable as part of this code.

(e) Delete section 1-1.2 without substitution.

(f) Amend section 1-3 as follows:

(1) Amend the following definitions:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose. AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

(2) Add the following definitions:

ELECTRICAL CODE means the Indiana Electrical Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

INDIANA FIRE CODE means the Uniform Fire Code, 1997 Edition, Volumes 1 and 2 as adopted by reference in section 1 of this rule.

NFPA 30 means the Indiana Fire Code.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

TRAINED means one who has undergone the instructions necessary to design, install, and perform maintenance and inspections.

(g) Delete section 2-6 without substitution.

(h) Amend section 4-1.1.2 by deleting the word "qualified" and inserting the word "trained".

(i) Amend section 4-1.7.1 to read as follows: LNG containers shall be installed on foundations in accordance with rules of the commission.

(j) Amend section 4-6.2 by deleting the word "acceptable" and inserting the word "approved".

(k) Amend section 7-7.1 by adding to the first sentence the words "in accordance with the Indiana Electrical Code (675 IAC 17)".

(l) Amend section 8-4.1 by deleting the phrase "requirements of the authorities having jurisdiction" and inserting the words "rules of the commission."

(m) Amend section 8-7.1.1 by deleting the word "qualified" and inserting the word "trained".

(n) Delete section 8-7.1.10 without substitution.

(o) Amend section 9-6.2 by deleting the last sentence without substitution.

(p) Amend section 9-9.2 by deleting everything after the first sentence without substitution.

(q) Amend section 9-9.3 to read as follows: Self-contained breathing apparatus shall be provided for those employees who can be required to enter an atmosphere that could be injurious to health during an emergency. Such apparatus shall be maintained in accordance with the manufacturer's instructions.

(r) Delete section 10-2.5.

(s) Chapter 11 and the appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-16; filed Aug 28, 1998, 5:02 p.m.: 22 IR 113; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3420*)

675 IAC 22-2.2-17 NFPA 72; national fire alarm code

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13-2; IC 22-14; IC 36-8-17

Sec. 17. (a) That certain standard, being titled as NFPA 72, 1996 Edition, National Fire Alarm Code, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and the same is hereby adopted by reference, as if fully set out in this section except as revised hereafter.

(b) The following documents referenced in NFPA 72 are not adopted, are not enforceable, and are for information purposes only:

- (1) NFPA 13D.
- (2) NFPA 20.
- (3) NFPA 37.
- (4) NFPA 54.
- (5) NFPA 90A.
- (6) NFPA 110.
- (7) NFPA 220.
- (8) NFPA 601.
- (9) NFPA 1221.
- (10) ANSI A-58.1.
- (11) ANSI S-1.4a.
- (12) ANSI S3.41.
- (13) ANSI/ASME A17.1.
- (14) ANSI/IEEE C2.
- (15) ANSI/UL 217.
- (16) ANSI/UL 268.
- (17) ANSI/UL 827.
- (18) EIA Tr-41.3.

(c) The following documents referenced in NFPA 72 are adopted and are enforceable:

- (1) NFPA 10 adopted in section 3 of this rule.
- (2) NFPA 13 adopted in 675 IAC 13-1-8.
- (3) NFPA 13R adopted in 675 IAC 13-1-25.
- (4) NFPA 25 adopted in section 5 of this rule.
- (5) NFPA 58 adopted in section 14 of this rule.

(d) "NOTES" not a part of a table, figure, or graph are not enforceable as part of this code.

(e) Delete section 1-2.3 without substitution.

(f) Amend section 1-4 by:

(1) Changing the following definitions to read:

ALARM is the giving, signaling, or transmitting to a public fire station or company or to an officer or employee thereof, whether by telephone, spoken word, or otherwise, information to the effect that a fire or emergency condition exists at or near the place indicated by the person giving, signaling, or transmitting such information.

ALARM SIGNAL means an audible or visual signal indicating the existence of an emergency requiring immediate action.

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose. AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or local unit of government empowered by law to administer and enforce the rules of the commission.

FAMILY LIVING UNIT. See HOUSEHOLD.

HOUSEHOLD means the family living unit in multi-family buildings.

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner. STORY is that portion of a building included between the upper surface of any floor and the upper surface of the floor next above, except that the topmost story shall be that portion of a building included between the upper surface of the topmost floor and the ceiling or roof above. If the finished floor level directly above a usable or unused under-floor space is more than six (6) feet above grade as defined herein for more than fifty (50) percent of the total perimeter or is more than twelve (12) feet above grade as defined herein at any point, such usable or unused under-floor space shall be considered as a story.

(2) Adding the following definitions:

ACCESSIBLE means capable of being reached safely and quickly for operation, repair, or inspection without requiring those whom ready access is requisite to climb over or remove obstacles, or to resort to the use of portable access equipment.

DWELLING UNIT is any building or portion thereof which contains living facilities, including provisions for sleeping, eating, cooking, and sanitation, as required by this code, for not more than one (1) family, or a congregate residence for ten (10) or less persons.

MULTI-FAMILY BUILDING means a building or structure that contains three (3) or more dwelling units.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

TRAINED means one who has undergone the instructions necessary to design, install, and perform testing, maintenance, and inspection.

(g) Change section 1-5.7.6 to 1-5.7.5.

(h) Amend section 1-7.1.1 to read as follows: Complete information regarding the system or system alterations, including specifications, wiring diagrams, battery calculation, and floor plans, shall be submitted in accordance with 675 IAC 12-6.

(i) In section 1-7.1.2:

(1) delete the words “the authority having jurisdiction” and substitute “local ordinance”;

(2) delete the words “appropriate NFPA requirements” and substitute “the rules of the commission”.

(j) Delete section 1-7.2.1 without substitution.

(k) Delete the following sections and subsections without substitution:

(1) 1-7.2.3.

(2) 1-7.2.3.1.

(3) 1-7.2.3.1.1.

(4) 1-7.2.3.1.2.

(5) 1-7.2.3.2.

(6) 1-7.2.3.2.1.

(7) 1-7.2.3.2.2.

(l) Amend section 1-7.3 as follows: in the second sentence, after the word “required” and before “reported”, insert “by local ordinance”.

(m) Delete Chapter 2 in its entirety without substitution.

(n) Delete the second sentence of section 3-7.2(b).

(o) In section 3-8.1.2, delete the words “where required by the authority having jurisdiction” and insert “next to the alarm panel”.

(p) In section 3-8.2.5, delete subsection (a) without substitution.

(q) In section 3-8.6.7, delete subsection (d) without substitution.

(r) In section 3-8.8.3, delete the words “other applicable NFPA standards” and substitute “the rules of the commission”.

(s) Delete section 3-8.13.6 without substitution.

(t) Amend section 3-8.14.1 by deleting the phrase “unless otherwise required by the authority having jurisdiction” from the last sentence.

(u) In section 3-8.14.6, delete the words “ANSI/ASME A 17.1, Safety Code for Elevators and Escalators, Rules 211.3 through 211.8” and substitute “the Indiana Elevator Safety Code (675 IAC 21)”.

(v) In section 3-9.3.3, delete the words “applicable NFPA standards” and substitute “the rules of the commission”.

(w) In section 3-10.2, delete the words “applicable NFPA standards” and substitute “the rules of the commission”.

(x) At the beginning of section 3-12.6.2, delete the phrase “where required by the authority having jurisdiction”.

(y) In section 3-12.8.5, delete the words “or provided with equivalent protection from use by unauthorized persons” and insert “or” between “operated” and “in a locked cabinet”.

(z) In section 3-13.4.5, delete the exception without substitution.

(aa) In section 4-2.6.2.2, add the words “When required by local ordinance” to the beginning of the first sentence.

(bb) In section 4-3.2.1, delete the word “competent”.

(cc) Delete section 4-3.3.1 without substitution.

(dd) In section 4-3.6.1.2, between the words “owner” and “authority”, delete “or” and substitute “and”.

(ee) In section 4-3.6.2, delete the words “designated by the authority having jurisdiction”.

(ff) In section 4-3.6.3, delete the word “or” and substitute “and”.

(gg) In section 4-3.6.4, delete the words “or other location acceptable to the authority having jurisdiction”.

(hh) In section 4-3.6.5, delete the words “acceptable to the authority having jurisdiction and shall be”.

(ii) In section 4-3.6.7.1(a), delete everything after “Fire brigade”.

(jj) Amend section 4-3.6.7.3 to read as follows: Supervisory signals. Upon receipt of sprinkler system and other supervisory signals, the proprietary supervising station operator shall communicate immediately with the designated person(s) to ascertain the reason for the signal.

(kk) Amend section 4-3.6.7.4 to read as follows: Trouble Signals. Upon receipt of trouble signals or other signals pertaining solely to matters of equipment maintenance of the fire alarm system, the proprietary supervising station operator shall communicate immediately with the designated person(s) to ascertain reason for the signal.

(ll) Amend section 4-3.6.8.2 to read as follows: The proprietary supervising station shall furnish reports of signals received to the authority having jurisdiction when required by local ordinance.

(mm) Delete section 4-4.3.3 without substitution.

(nn) Amend section 4-4.4.4 to read as follows: Where required by this standard, retransmission of an alarm signal shall be by one (1) of the following methods which appear in descending order of preference as follows:

(1) A dedicated circuit that is independent of any switched telephone network. This circuit shall be permitted to be used for voice or data communications.

(2) A one-way (outgoing only) telephone at the remote supervising station that utilizes the public switched telephone network. This telephone shall be used primarily for voice transmission of alarms to a telephone at the public fire service communications center that cannot be used for outgoing calls.

(3) A private radio system using the fire department frequency, where permitted by the servicing fire department.

(4) Other methods approved by the authority having jurisdiction.

(oo) Amend section 4-4.5 as follows:

(1) Delete the word “sufficient” from the first sentence.

(2) In the second sentence, delete everything after “shall be permitted”.

(pp) In section 4-5.3.2.2.2.3, delete the words “each supervised burglar alarm (open/close) or”.

(qq) In section 4-6.2.1, delete the words “implemented at the option of the authority having jurisdiction” and substitute “required by local ordinance”.

(rr) Amend section 4-6.4.2 to read as follows: Public fire alarm reporting systems as defined in this chapter shall in their entirety, be subject to a complete operational acceptance test upon completion of system installation. Tests shall be performed on

any alarm reporting devices as identified in this chapter that are added subsequent to the installation of the initial system.

(ss) In section 4-6.4.4, delete the word “readily”.

(tt) Amend section 4-6.4.8 to read as follows: Boxes shall be securely mounted on poles, pedestals, or structural surfaces.

(uu) Amend section 4-6.6 to read as follows: Location of Boxes. The location of publicly accessible boxes shall be in accordance with local ordinance.

(vv) In section 5-1.3.3, delete the words “appropriate NFPA standard or the authority having jurisdiction” and substitute “this standard”.

(ww) Amend section 5-1.4.4 to read as follows: 5-1.4.4 Where codes, standards, or laws require the protection of selected areas only, the specified areas shall be protected in accordance with this standard.

(xx) In section 5-3.6.1.3, amend the exception to read as follows: Where required by local ordinance.

(yy) Delete section 5-8.2 in its entirety without substitution.

(zz) Delete section 5-10.4 in its entirety without substitution.

(aaa) Delete section 5-10.5.2 in its entirety without substitution.

(bbb) Amend section 6-3.1.1 to read as follows: The sound level of an installed audible signal shall perform its intended function.

(ccc) In section 6-8.2, delete the exception without substitution.

(ddd) In section 7-1.1, delete everything after the first sentence.

(eee) Amend section 7-1.2.2 to read as follows: Service personnel shall be trained in the inspection, testing, and maintenance of fire alarm systems.

(fff) Amend section 7-1.3.1 to read as follows: Before proceeding with any testing, all persons who receive and facilities that receive alarm, supervisory, or trouble signals shall be notified to prevent unnecessary response. At the conclusion of testing, those previously notified shall be notified that testing has been concluded.

(ggg) Delete section 7-1.4 in its entirety without substitution.

(hhh) Delete section 7-1.5.2 in its entirety without substitution.

(iii) In section 7-1.6.2.1, delete the last sentence and substitute to read as follows: Documentation of any modification, repair, or adjustment shall be provided in accordance with section 1-7.2.2.

(jjj) Amend section 7-3.1 as follows:

(a) Delete the words “or more frequently where required by the authority having jurisdiction”.

(b) In Exception No. 1, delete the words “where approved by the authority having jurisdiction”.

(kkk) Amend section 7-3.2 as follows:

(a) Delete the words “or more frequently where required by the authority having jurisdiction”.

(b) In the exception, delete the words “where approved by the authority having jurisdiction”.

(lll) Delete section 7-3.2.2 in its entirety without substitution.

(mmm) Delete section 7-3.3 in its entirety without substitution.

(nnn) Amend section 7-5.1 as follows:

(1) Delete the words “satisfactory to the authority having jurisdiction”.

(2) In the second sentence, delete the word “any” and substitute “the”.

(ooo) In section 7-5.2.2, delete the words “requested in Figure 7-5.2.2”.

(ppp) Chapter 8 and the appendices are not adopted as part of this code and are intended for the use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-17; filed Aug 28, 1998, 5:02 p.m.: 22 IR 114; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3420*)

675 IAC 22-2.2-18 NFPA 86; standard for ovens and furnaces

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13-2; IC 22-14; IC 36-8-17

Sec. 18. (a) That certain standard, being titled as NFPA 86, Ovens and Furnaces, 1995 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and the same is hereby adopted by reference, as if fully set out in this section except as revised hereafter.

(b) The following documents referenced in NFPA 86 are not adopted, are not enforceable, and are for information purposes only:

- (1) NFPA 31.
- (2) NFPA 54.
- (3) NFPA 69.
- (4) NFPA 79.
- (5) NFPA 86C.
- (6) NFPA 86D.
- (7) NFPA 91.
- (8) ANSI A14.3.
- (9) ANSI B31.3.
- (10) ANSI B31.3.
- (11) ANSI Z50.1.
- (12) ASME Boiler and Pressure Vessel Code.
- (13) ASTM D396.
- (14) Title 29, Code of Federal Regulations.

(c) The following documents are adopted and are enforceable:

- (1) NFPA 10 adopted in section 3 of this rule.
- (2) NFPA 11 adopted in 675 IAC 13-1-4.
- (3) NFPA 12 adopted in 675 IAC 13-1-5.
- (4) NFPA 13 adopted in 675 IAC 13-1-8.
- (5) NFPA 14 adopted in 675 IAC 13-1-9.
- (6) NFPA 15 adopted in section 4 of this rule.
- (7) NFPA 17 adopted in 675 IAC 13-1-9.5.
- (8) NFPA 17A adopted in 675 IAC 13-1-9.6.
- (9) NFPA 25 adopted in section 5 of this rule.
- (10) NFPA 34 adopted in section 7 of this rule.
- (11) NFPA 50 adopted in section 8 of this rule.
- (12) NFPA 58 adopted in section 14 of this rule.

(d) "NOTES" that are not a part of a table, figure, or graph are not enforceable as part of this code.

(e) Amend section 1-1.4 to read as follows: This standard also applies to listed bakery ovens and requires all bakery ovens to be listed.

(f) Amend section 1-4.1 to read as follows: Before new equipment is installed or existing equipment remodeled, complete plans, sequence of operations, and specifications shall be submitted in accordance with 675 IAC 12-6.

(g) Delete sections 1-4.1.1 through 1-4.3 without substitution.

(h) Delete section 1-5.1 without substitution.

(i) Amend section 2-1 to read as follows:

(1) Amend the following definitions:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose. AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(2) Add the following definitions:

BUILDING CODE means the building code in effect in Indiana at the time of construction, remodeling, alteration,

addition, or repair of the structure.

FIRE CODE means the Indiana Fire Code.

INDIANA FIRE CODE means the Uniform Fire Code, 1997 Edition, Volumes 1 and 2 as adopted by reference in section 1 of this rule.

MECHANICAL CODE means the mechanical code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

NFPA 70, National Electrical Code means the Indiana Electrical Code (675 IAC 17).

PLUMBING CODE means the plumbing code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

QUALIFIED means having successfully completed a course of instruction related to the equipment being installed, serviced, or repaired.

TRAINED means one who has undergone the instructions necessary to design, install, and perform testing, maintenance, and inspection.

(j) Amend section 3-1.3.1 to read as follows: Furnaces shall be located to minimize exposure to power equipment, process equipment, and sprinkler risers. Unrelated stock and combustible materials shall be not less than two and one-half (2½) feet (0.76 m) from a furnace, a furnace heater, or ductwork.

(k) In the third sentence of section 3-4.2.4, delete the word “noncombustible” and insert the word “listed”.

(l) Delete section 4-2.2.2 without substitution.

(m) Amend section 4-2.3.3 to read as follows: Piping from the point of delivery to the equipment isolation valve shall comply with the Plumbing Code (675 IAC 16) and the Mechanical Code (675 IAC 18).

(n) Amend section 4-2.4.2.1 to read as follows: Material for the piping and fittings that connect the equipment manual isolation valve to the burner shall be listed for the use.

(o) Amend section 4-3.3.1 to read as follows: Storage tanks, their installation, and their supply piping materials shall comply with the requirements of this standard and the Mechanical Code (675 IAC 18).

(p) Amend section 4-3.4.2.1 to read as follows: Equipment piping shall be listed for the use.

(q) Amend section 4-5.1 to read as follows: Fuel-fired equipment shall be vented in accordance with the Mechanical Code (675 IAC 18).

(r) Amend section 4-7.2.1 to read as follows: Piping and fittings shall be listed for the use. Relief valves shall be provided where required by this standard or the Mechanical Code (675 IAC 18).

(s) In section 8-4.2, delete the last sentence.

(t) Amend section 8-4.5 to read: Locations for compressed gas tanks and cylinders shall be in accordance with the building code (675 IAC 13).

(u) Amend section 11-1.3 to read: Plans showing the arrangement of fixed fire protection installations shall be submitted in accordance with 675 IAC 12.

(v) Amend section 11-1.4 to read as follows: Dip tanks and drain boards included in the oven enclosure shall be protected in accordance with NFPA 34, Standard for Dipping and Coating Using Flammable or Combustible Liquids, and Article 45 of the Indiana Fire Code.

(w) In section 11-6.3, delete the word “responsible” and insert the word “trained”.

(x) Chapter 12 and the appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-18; filed Aug 28, 1998, 5:02 p.m.: 22 IR 118; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3420*)

675 IAC 22-2.2-19 NFPA 231; standard for general storage (Repealed)

Sec. 19. (*Repealed by Fire Prevention and Building Safety Commission; filed Nov 14, 2001, 4:55 p.m.: 25 IR 1176*)

675 IAC 22-2.2-20 NFPA 231C; standard for rack storage of materials (Repealed)

Sec. 20. (*Repealed by Fire Prevention and Building Safety Commission; filed Nov 14, 2001, 4:55 p.m.: 25 IR 1176*)

675 IAC 22-2.2-21 NFPA 385; standard for tank vehicles for flammable and combustible liquids

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13-2; IC 22-14; IC 36-8-17

Sec. 21. (a) That certain document, being titled NFPA 385—Standard for Tank Vehicles for Flammable and Combustible Liquids, 1990 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and the same is hereby adopted by reference except as revised hereafter.

(b) The following documents referenced in NFPA 385 are not adopted, are not enforceable, and are for information purposes only:

- (1) ASTM D-5-86.
- (2) ASTM D-56-87.
- (3) ASTM D-93-85.
- (4) ASTM D-323-82.
- (5) ASTM B-209-88.
- (6) ASME Boiler and Pressure Vessel Code.
- (7) Title 49, Code of Federal Regulations.

(c) The following documents referenced in NFPA 385 are adopted and are enforceable:

- (1) NFPA 10 adopted in section 3 of this rule.
- (2) NFPA 58 adopted in section 14 of this rule.
- (3) NFPA 407 adopted section 23 of this rule.

(d) “NOTES” that are not a part of a table, figure, or graph are not enforceable as part of this code.

(e) Amend section 1-2 as follows:

(1) Amend the following definitions to read as follows:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose. LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(2) Add the following definitions:

AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

(f) Delete section 4-1.1 without substitution.

(g) Chapter 7 and the appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-21; filed Aug 28, 1998, 5:02 p.m.: 22 IR 119; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3420*)

675 IAC 22-2.2-22 NFPA 386; standard for portable shipping tanks for flammable and combustible liquids

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13-2; IC 22-14; IC 36-8-17

Sec. 22. (a) That certain document, being titled NFPA 386—Standard for Portable Shipping Tanks for Flammable and Combustible Liquids, 1990 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and the same is hereby adopted by reference, as if fully set out in this section except as revised hereafter.

(b) The following documents referenced in NFPA 386 are not adopted, are not enforceable, and a *[sic., are]* for information purposes only:

- (1) NFPA 512.
- (2) ASTM B-209-98.
- (3) ASTM BD-5-86.
- (4) ASTM D-56-87.
- (5) ASTM D-93-85.
- (6) ASTM D-323-82.

(c) "NOTES" that are not a part of a table, figure, or graph are not enforceable as part of this code.

(d) Amend section 1-2 by:

(1) Amending the following definitions:

AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(2) Adding the following definitions to section 1-2:

INDIANA FIRE CODE means the Uniform Fire Code, 1997 Edition, Volumes 1 and 2 as adopted by reference in section 1 of this rule.

NFPA 30 means the Indiana Fire Code.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

(e) Amend section 2-1.1 to read as follows: Portable shipping tanks shall be of all welded construction and listed and labeled.

(f) Amend section 2-1.3 by deleting everything after the first sentence.

(g) Amend section 2-4.1 by deleting everything after the word "integrity".

(h) Amend section 3-1.1 to read as follows: All valves, piping, and appurtenances shall be listed for their use and shall be attached to the tank.

(i) Delete section 4-3.1 without substitution.

(j) Amend section 4-3.3 to read as follows: Vehicles transporting one (1) or more tanks shall be equipped with at least one (1) approved fire extinguisher.

(k) Chapter 5 is not adopted as part of this code and is intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-22; filed Aug 28, 1998, 5:02 p.m.: 22 IR 120; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3420*)

675 IAC 22-2.2-23 NFPA 407; standard for aircraft fuel servicing

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13-2; IC 22-14; IC 36-8-17

Sec. 23. (a) That certain standard, being titled as NFPA 407, 1996 Edition, Aircraft Fuel Servicing, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and the same is hereby adopted by reference, as if fully set out in this section except as revised hereafter.

(b) The following documents referenced in NFPA 407 are not adopted, are not enforceable, and are for information purposes only:

- (1) NFPA 410.
- (2) NFPA 415.
- (3) NFPA 418.
- (4) ANSI B31.3.
- (5) API Bulletin 1529.

- (6) ASTM D380.
- (7) AWS A5.10.
- (8) BS 3158.
- (9) UL 913.

(c) The following documents referenced in NFPA 407 are adopted and are enforceable:

(1) NFPA 10 adopted in section 3 of this rule.

(2) NFPA 385 adopted in section 21 of this rule.

(d) "NOTES" that are not a part of a table, figure, or graph are not enforceable as part of this code.

(e) When the provisions of the Indiana Fire Code apply, they shall take precedence over the provisions of this standard.

(f) Amend section 1-3 to read as follows:

(1) Amend the following definitions:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose. AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(2) Add the following definitions:

BUILDING CODE means the building code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

FIRE CODE means the Indiana Fire Code.

INDIANA FIRE CODE means the Uniform Fire Code, 1997 Edition, Volumes 1 and 2 as adopted by reference in section 1 of this rule.

NFPA 30 means the Indiana Fire Code.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

QUALIFIED means having successfully completed a course of instruction related to the equipment being installed, serviced, or repaired.

(g) In the second line of section 2-3.1.1, delete the word "safe" and insert the word "listed".

(h) In section 2-3.13.4, delete the word "adequately".

(i) Amend section 2-4.1 to read as follows: Plans and specifications shall be filed as required by 675 IAC 12.

(j) In section 2-4.2, delete the words "and approve".

(k) In section 2-4.4.2, delete the first sentence and substitute the following: Clearances required from runways, taxiways, and other aircraft movement and servicing areas to any aboveground fuel storage or fuel transfer equipment shall be in accordance with national and international standards establishing clearances from obstructions.

(l) Delete section 2-4-6-4 and substitute to read as follows: Piping, valves, and fittings shall be listed for their use.

(m) Amend section 2-4.11.1 to read as follows: Ramps used for aircraft fueling shall slope away from buildings and loading walkways at a grade of not less than one (1) percent for the first fifty (50) feet (15,240 mm). The balance of such ramps shall slope to a drainage system at a grade not less than one-half percent (.5%). When drainage inlets are provided, they shall be at least fifty (50) feet (15,420 mm) from buildings and loading walkways.

(n) In section 2-4.13, add the following sentence to the end: All test results shall be submitted to the authority having jurisdiction before the system is placed in service.

(o) Amend section 2-5.1 to read as follows: Fueling on rooftop heliports shall not be permitted.

(p) Amend section 2-5.2.1 to read as follows: Basic Construction and Protection Requirements. In addition to the special requirements of this chapter, heliports shall comply with the Indiana Fire Code and the Indiana Building Code (675 IAC 13).

(q) In section 2-5.4, amend the first sentence to read as follows: Piping above grade shall be steel and shall be cased or shall be installed in a duct or chase.

(r) Amend section 2-5.10 to read as follows: Fixed fire protection systems shall be in accordance with the Indiana Fire Code.

(s) Amend section 2-6.1 to read as follows: Self-service fueling shall be permitted, subject to the requirements of this standard and the Indiana Fire Code.

(t) Amend section 2-6.3.4 to read as follows: Dispensing devices shall be protected in accordance with section 5201.5.1 of the Indiana Fire Code.

(u) Amend section 3-2.5 to read as follows: Unauthorized discharges of hazardous materials shall be reported and documented in accordance with the Indiana Fire Code Article 80.

(v) Amend section 3-3.5 to read as follows: Records shall be kept of tests required by this standard. These records shall be made available to the inspection authority upon request.

(w) Delete section 3-8.4 without substitution.

(x) In section 3-13.6, delete the words "they might be expected to use".

(y) Chapter 4 and the appendices are not adopted as part of this standard and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-23; filed Aug 28, 1998, 5:02 p.m.: 22 IR 121; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3420*)

675 IAC 22-2.2-24 NFPA 704; standard system for the identification of the fire hazards of materials for emergency response

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13-2; IC 22-14; IC 36-8-17

Sec. 24. (a) That certain standard, being titled as NFPA 704, Identification of the Fire Hazards of Materials, 1996 Edition, published by the National Fire Protection Association, 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and the same is hereby adopted by reference, as if fully set out in this section except as revised herein.

(b) The following documents referenced in NFPA 704 are not adopted, are not enforceable, and are for information purposes only:

(1) NFPA 30.

(2) NFPA 43B.

(3) NFPA 49.

(4) NFPA 325.

(5) NFPA 495.

(c) "NOTES" that are not a part of a table, figure, or graph are not enforceable as part of this code.

(d) Add a new section 1-6 definitions to read as follows: INDIANA FIRE CODE means the Uniform Fire Code, 1997 Edition, Volumes 1 and 2 as adopted by reference in section 1 of this rule.

(e) Amend section 3-1.1 by deleting the words "NFPA 30, Flammable and Combustible Liquids Code" and inserting the words "the Indiana Fire Code".

(f) The appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-24; filed Aug 28, 1998, 5:02 p.m.: 22 IR 122; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3420*)

675 IAC 22-2.2-25 NFPA 1123; code for public display of fireworks

Authority: IC 22-13-2-2

Affected: IC 22-11-14-2; IC 22-12-7; IC 22-13-2; IC 22-14; IC 36-8-17

Sec. 25. (a) That certain standard, being titled as NFPA 1123, Public Display of Fireworks, 1995 Edition, published by the National Fire Protection Association, 1 Batterymarch Park, Quincy, Massachusetts 02269, be and the same is hereby adopted by reference, as if fully set out in this section except as revised hereafter.

(b) The following documents referenced in NFPA 1123 are not adopted, are not enforceable, and are for information purposes only:

(1) NFPA 1122, NFPA 1124, and NFPA 1126.

(2) 16 CFR, 27 CFR, and 49 CFR.

(c) "NOTES" that are not a part of a table, figure, or graph are not enforceable as part of this code.

(d) Delete section 1-2.3 without substitution.

(e) Amend section 1-3 to read as follows: Equivalency. This standard is not intended to prevent the use of systems, methods, or devices that provide protection equivalent to the provisions of this code, provided the systems, methods, or devices are approved by the authority having jurisdiction.

(f) Amend the definitions in section 1-4 to read as follows:

APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods: investigation or tests conducted by recognized authorities; or investigation or tests conducted by technical or scientific organizations; or accepted principles. The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose.

AUTHORITY HAVING JURISDICTION means the state building commissioner, state fire marshal, or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

(g) In section 2-2.4.3, amend Exception No. 1 to read as follows: When approved by the authority having jurisdiction, alternate measures may be taken.

(h) Amend section 3-1.1 to read as follows:

(1) In the seventh line, delete the words "as it deems appropriate".

(2) In the last line, delete the words "as it deems necessary".

(i) Delete section 3-1.3.2 without substitution.

(j) Amend section 4-1.2 to read as follows: Monitors whose sole duty shall be the enforcement of crowd control shall be located around the display area.

(k) Amend section 4-1.4 to read as follows: Wherever any hazardous condition exists, the fireworks display shall be postponed until the condition is corrected.

(l) Amend section 4-1.4.1 to read as follows: Whenever the lack of crowd control poses a hazard, the fireworks display shall be discontinued immediately until such time as the situation is corrected.

(m) Amend section 4-1.4.2 to read as follows: If high winds, precipitation, or other adverse weather conditions prevail such that a significant hazard exists, the fireworks display shall be postponed until weather conditions improve to a reasonable level.

(n) In section 4-3.1, delete the words "to the extent that it is practical".

(o) Delete the text of Chapter 6 and substitute to read as follows:

6-1 Operator Qualifications.

6-1.1 The operator shall be approved in accordance with IC 22-11-14-2(a).

6-1.2 An operator shall provide evidence of actual experience as an operator or assistant as part of demonstrating competency to the authority having jurisdiction.

6-2 All assistants shall be at least eighteen (18) years old.

6-3 The fireworks display company, municipality, fair association, amusement park, other organizations, or group of individuals shall obtain a permit in accordance with IC 22-11-14-2(a).

(p) Chapter 7 and the appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-25; filed Aug 28, 1998, 5:02 p.m.: 22 IR 123; errata filed Jun 21, 1999, 3:33 p.m.: 22 IR 3420*)

675 IAC 22-2.2-26 (Reserved)

675 IAC 22-2.2-27 (Reserved)

675 IAC 22-2.2-28 Section 101.2; scope

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 28. Delete the first paragraph in section 101.2 and substitute the following: The provisions of this code shall apply to existing conditions as well as to conditions arising after the adoption thereof. Buildings, Systems, Uses as regulated in Articles 9 through 13, Special Occupancy Uses (Articles 24 through 36), Special Processes (Articles 45 through 52), Special Equipment (Articles 61 through 64), and Special Subjects (Articles 74 through 88) legally in existence at the adoption of this code shall be permitted to continue so long as they are maintained in a condition that is equivalent to the quality and fire resistive characteristics that existed when the building was constructed, altered, added to, or repaired. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-28; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2908)*

675 IAC 22-2.2-29 Section 101.3; subjects not specifically regulated by this code

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 29. Delete section 101.3 in its entirety and substitute to read as follows: 101.3 Intent. The intent of this code is to prescribe maintenance and operational rules for the safeguarding to a reasonable degree, of life and property from the hazards of fire or explosion arising from the storage, handling, or use of substances, materials, and devices. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-29; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2909)*

675 IAC 22-2.2-30 Section 101.4; supplemental rules and regulations

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 30. Delete section 101.4 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-30; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2909)*

675 IAC 22-2.2-31 Section 101.5; liability

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 31. Delete section 101.5 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-31; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2909)*

675 IAC 22-2.2-32 Section 101.9; amendments

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 32. Delete section 101.9 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-32; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2909)*

675 IAC 22-2.2-33 Section 102.1; existing conditions

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 33. Delete section 102.1 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-33; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2909)*

675 IAC 22-2.2-34 Section 103.1.1; technical assistance

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 34. Delete the second paragraph of section 103.1.1 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-34; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2909*)

675 IAC 22-2.2-35 Section 103.1.2; alternate materials and methods

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13-2-5; IC 22-14; IC 36-8-17

Sec. 35. Delete section 103.1.2 in its entirety and substitute the following: 103.1.2 Approval. Wherever in this code the State Fire Marshal, his deputies, or the chief of the fire department are authorized to approve any location, method, material, system, or product in achieving compliance with this code, that decision shall be based on the following:

(1) Evidence that it is in accordance with the rules of the commission.

(2) Where no rule of the commission exists, the decision of the chief shall be as a result of local ordinances approved by the commission under IC 22-13-2-5.

(*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-35; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2909*)

675 IAC 22-2.2-36 Section 103.1.3; practical difficulties

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 36. Delete section 103.1.3 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-36; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2910*)

675 IAC 22-2.2-37 Section 103.1.4; appeals

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 37. Delete section 103.1.4 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-37; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2910*)

675 IAC 22-2.2-38 Section 103.1.5; appendix

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 38. Delete section 103.1.5 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-38; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2910*)

675 IAC 22-2.2-39 Section 103.2.1.1; general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 39. (a) In section 103.2.1.1, delete the words “ordinances of the jurisdiction” and substitute the words “fire safety laws”.

(b) In Item 5 of section 103.2.1.1, delete the words “and regulation”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-39; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2910*)

675 IAC 22-2.2-40 Section 103.2.1.2; fire prevention bureau personnel and police

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 40. Delete section 103.2.1.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-40; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2910*)

675 IAC 22-2.2-41 Section 103.2.2; organization of the fire prevention bureau

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 41. Delete section 103.2.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-41; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2910*)

675 IAC 22-2.2-42 Section 103.3; inspection

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 42. Delete section 103.3 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-42; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2910*)

675 IAC 22-2.2-43 Section 103.4; enforcement

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 43. Delete section 103.4 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-43; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2910*)

675 IAC 22-2.2-44 Section 104.2; investigation

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 44. Delete section 104.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-44; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2910*)

675 IAC 22-2.2-45 Section 104.3; records and reports

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 45. Delete section 104.3 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-45; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2910*)

675 IAC 22-2.2-46 Section 105; permits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 46. Delete section 105 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-46; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2910*)

675 IAC 22-2.2-47 Section 202-A; definitions "A"

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 47. (a) Change the following definitions in section 202-A:

ALARM SIGNAL means an audible or visual signal, indicating the existence of an emergency requiring immediate action.

ALARM SYSTEM means a combination of approved equipment which with operation of an alarm initiating device produces an alarm signal.

ANNUNCIATOR is a unit containing two (2) or more indicator lamps, alphanumeric displays, or other equivalent means in which each indicator identifies the circuit, condition, or location to be annunciated.

APPROVED refers to approval by the state fire marshal, or the chief of the fire department as provided in section 103.1.2 of this code. See also Article 90.

(b) Add the following definition to section 202-A to read as follows: ALTERED TIRE is a waste tire which has been modified so that it is no longer capable of holding accumulations of water, including, but not limited to, waste tires that have been shredded, chopped, drilled with holes sufficient to assure drainage, slit longitudinally, and stacked so as not to collect water or wholly or partially filled with cement or other material to prevent the accumulation of water.

(c) Delete the following definition in section 202-A: ADMINISTRATOR. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-47; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2910*)

675 IAC 22-2.2-48 Section 203-B; definitions “B”

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 48. Change the following definition in section 203-B: BUILDING CODE is the building code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of a structure. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-48; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2911*)

675 IAC 22-2.2-49 Section 204-C; definitions “C”

Authority: IC 22-13-2-2

Affected: IC 22-12-2-1; IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 49. Add the following definitions in section 204-C to read as follows:

COMMISSION is the Indiana Fire Prevention and Building Safety Commission as set forth at IC 22-12-2-1.

COMPATIBLE is approved equipment which functions effectively with other approved equipment within an alarm system.

CONTROL UNIT is a combination of equipment which contains the primary and secondary power supplies, receives signals from initiating devices, transmits signals to signaling devices, and electrically supervises the system circuitry.

(*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-49; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2911*)

675 IAC 22-2.2-49.5 Definitions “C”

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 49.5. Amend the following definition in section 204-C to read as follows: CHIEF means the state fire marshal, or the state fire marshal’s authorized representative, the chief officer of the fire department serving the jurisdiction, or the chief officer’s authorized representative. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-49.5; filed May 5, 1999, 5:42 p.m.: 22 IR 2872*)

675 IAC 22-2.2-50 Section 206-E; definitions “E”

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 50. Change the following definition in section 206-E to read as follows: ELECTRICAL CODE is the electrical code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of a structure. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-50; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2911*)

675 IAC 22-2.2-51 Section 207-F; definitions “F”

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 51. (a) In section 207-F, in the first line of the definition of FACILITY, after the word “access”, replace the word “and” with “,” and, after the words “water supply”, add the words “Article 80 and Appendix II-E”.

(b) In section 207, add the definition of FIRE CODE to read as follows: FIRE CODE means the Indiana Fire Code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-51; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2911*)

675 IAC 22-2.2-52 Section 209-H; definitions “H”

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 52. Change the following definitions in section 209-H to read as follows:

HELIPORT is an area of land or water or a structural surface which is used, or intended for use, for the landing and take-offs, refueling, maintenance, repairs, or storage of helicopters, and any appurtenant areas which are used, or intended for use, for heliport buildings and other heliport facilities.

HIGH-PILED COMBUSTIBLE STORAGE is combustible materials in closely packed piles more than fifteen (15) feet in height or combustible materials on pallets or in racks more than twelve (12) feet in height. For certain special-hazard commodities such as rubber tires, plastics, some flammable liquids, idle pallets, etc., the critical pile height may be as low as six (6) feet.

(*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-52; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2911*)

675 IAC 22-2.2-53 Section 210-I; definitions “I”

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 53. Add a new definition to section 210-I to read as follows: INSPECTION AUTHORITY is the Indiana State Fire Marshal, the fire chief, or their authorized representative. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-53; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2911*)

675 IAC 22-2.2-54 Section 214-M; definitions “M”

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 54. In section 214-M, change the definition of Mechanical Code to read as follows: MECHANICAL CODE is the mechanical code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of a structure. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-54; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2911*)

675 IAC 22-2.2-55 Section 216-O; definitions “O”

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 55. In section 216-O, change the definition of Occupancy Classification to read as follows: OCCUPANCY CLASSIFICATION is as specified in the Building Code. Occupancy classification shall be as specified in the Building Code in effect at the time of construction, alteration, or change of occupancy. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-55; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2912*)

675 IAC 22-2.2-56 Section 217-P; definitions “P”

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 56. In section 217-P, change the definition of Plumbing Code to read as follows: PLUMBING CODE is the plumbing code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of a structure. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-56; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2912)*

675 IAC 22-2.2-57 Section 218-Q; definitions “Q”

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 57. Add the following definitions to section 218-Q to read as follows:

QUALIFIED INDIVIDUAL is a person who has successfully completed instruction related to the equipment being installed, serviced, or repaired.

QUALIFIED PERSON - See qualified individual.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-57; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2912)

675 IAC 22-2.2-58 Section 220-S; definitions “S”

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 58. Add the following definitions to section 220-S:

SIGNALING DEVICE is any equipment which produces an approved alarm signal.

SPRAYING AREA is an area in which dangerous quantities of flammable vapors or combustible residues, dusts, or deposits are present due to the operation of spraying processes.

SERVICING FIRE DEPARTMENT: See Fire Department.

SYSTEMS: Any part of the Permanent Heating, Ventilating, Air Conditioning, Electrical, Emergency Detection, Emergency Communication, Fire Suppression System, Explosive Suppression System for a Class 1 structure.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-58; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2912)

675 IAC 22-2.2-59 Section 221-T; definitions “T”

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 59. (a) In the definition of “TEMPORARY MEMBRANE STRUCTURE” in section 221-T, change the number “180” to “30”.

(b) In section 221-T, add a definition to read as follows: TRAINED means one who has undergone the instructions necessary to perform the duties required. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-59; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2912)*

675 IAC 22-2.2-60 Section 222-U; definitions “U”

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 60. Add the following definition [*sic., definitions*] to section 222-U:

UBC means the Indiana Building Code.

UFC means the Indiana Fire Code.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-60; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2912)

675 IAC 22-2.2-61 Section 224-W; definitions “W”

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 61. Add the following definition to section 224-W: WASTE TIRE is a tire, including an altered tire, that is not suitable

for the tire's original purpose because of wear, damage, or defect. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-61; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2912*)

675 IAC 22-2.2-62 Section 227-Z; definitions "Z"

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 62. Add the following definition to section 227-Z: ZONE. A defined area within the protected premises. A zone may define an area from which a signal can be received, an area to which a signal can be sent, or an area in which a form of control can be executed. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-62; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2912*)

675 IAC 22-2.2-63 Section 901.2.1; permits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 63. Change section 901.2.1 to read as follows: A permit to use or operate fire hydrants or valves intended for fire-suppression purposes which are installed on water systems and accessible to public highways, alleys, or private ways available for use by the public or generally used by the public may be required by local ordinance.

EXCEPTION: A permit is not required for persons employed and authorized by the water company which supplies the system to use or operate fire hydrants or valves.

(*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-63; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2913*)

675 IAC 22-2.2-64 Section 901.2.2.1; fire apparatus access

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 64. In section 901.2.2.1, delete the words "and approval". (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-64; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2913*)

675 IAC 22-2.2-65 Section 901.2.2.2; fire hydrant systems

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 65. In section 901.2.2.2, delete the words "and approval". (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-65; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2913*)

675 IAC 22-2.2-66 Section 901.3; timing of installation

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 66. Delete section 901.3 and substitute to read as follows: Required fire hydrants and temporary surfaced access roads within the site shall be installed and made serviceable prior to construction of a building or structure, and such hydrants and roads shall be maintained during construction. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-66; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2913*)

675 IAC 22-2.2-67 Section 901.4.2; fire apparatus access roads

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 67. Change section 901.4.2 to read as follows: When required by local ordinance, signs or other notices shall be provided and maintained for fire apparatus access roads to identify such roads and prohibit the obstruction thereof. (*Fire Prevention and*

Building Safety Commission; 675 IAC 22-2.2-67; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2913)

675 IAC 22-2.2-68 Section 901.4.3; fire protection equipment and fire hydrants

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 68. (a) In the first paragraph of section 901.4.3, delete the words “in an approved manner”.

(b) In the second paragraph of section 901.4.3, delete the words “when required by the chief”, and add at the end of the sentence “when required by local ordinance.”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-68; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2913*)

675 IAC 22-2.2-69 Section 901.4.4; premises identification

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 69. Change section 901.4.4 to read as follows: Numbers or addresses shall be placed on, or adjacent to, all new and existing buildings in such a position as to be plainly visible and legible from the street or road fronting the structure. Said numbers shall contrast with their background. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-69; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2913; filed May 5, 1999, 5:42 p.m.: 22 IR 2872*)

675 IAC 22-2.2-70 Section 901.4.5; street or road signs

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 70. (a) In section 901.4.5, delete the words “the chief” and substitute “local ordinance”.

(b) In section 901.4.5, delete the words “with approved signs.”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-70; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2913*)

675 IAC 22-2.2-71 Section 901.6; fire protection in recreational vehicles, mobile home and manufactured housing parks, sales lots, and storage lots

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 71. (a) In section 901.6, at the end of the sentence, add “where required by local ordinance”.

(b) In the exception of section 901.6, delete all words after “remote areas.”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-71; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2913*)

675 IAC 22-2.2-72 Section 902.2.1; required access

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 72. (a) In section 902.2.1, delete Exception 1 and substitute the following: EXCEPTION: Buildings protected throughout by a supervised automatic fire sprinkler system and not used for high-piled combustible storage in excess of twelve thousand (12,000) square feet.

(b) In section 902.2.1, delete Exceptions 2 and 3 without substitution.

(c) In section 902.2.1, delete the second paragraph without substitution.

(d) In section 902.2.1, add paragraph 5 to read as follows: For exterior lumber storage, see section 3004.4.1. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-72; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2913*)

675 IAC 22-2.2-73 Section 902.2.2.1; dimensions

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 73. In section 902.2.2.1, delete the second paragraph and substitute the following: Vertical clearances or widths required by this section shall be increased when vertical clearances or widths do not provide fire apparatus access for the largest vehicle expected to be used by the servicing fire department. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-73; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2914)*

675 IAC 22-2.2-74 Section 902.2.2.2; surface

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 74. Change section 902.2.2.2 to read as follows: Fire apparatus access roads shall be designed and constructed to support the imposed live loads of the heaviest piece of fire department apparatus available to the servicing fire department and shall be provided with a surface so as to provide all-weather driving capabilities. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-74; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2914)*

675 IAC 22-2.2-75 Section 902.2.2.3; turning radius

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 75. Change section 902.2.2.3 to read as follows: The turning radius of a fire apparatus access road shall be determined after consultation with the servicing fire department and shall be at least equal to the minimum required radius for the fire apparatus. Such roads shall be designed and constructed to permit turning of the longest piece of fire apparatus available to the servicing fire department. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-75; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2914)*

675 IAC 22-2.2-76 Section 902.2.2.4; dead ends

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 76. Change section 902.2.2.4 to read as follows: Dead-end fire apparatus access roads in excess of one hundred fifty (150) feet in length shall be designed and constructed so as to allow the turning around of the longest piece of fire apparatus available to the servicing fire department. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-76; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2914)*

675 IAC 22-2.2-77 Section 902.2.2.5; bridges

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 77. (a) In section 902.2.2.5, in the third sentence, add the words “constructed and maintained” after the word “designed”.

(b) In section 902.2.2.5, in the second paragraph, delete the words “when required by the chief”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-77; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2914)*

675 IAC 22-2.2-78 Section 902.2.2.6; grade

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 78. Change section 902.2.2.6 to read as follows: The gradient for all fire apparatus access roads shall not exceed the maximum that the apparatus available to the servicing fire department can accommodate. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-78; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2914)*

675 IAC 22-2.2-79 Section 902.2.4.1; obstruction and control of fire apparatus access, general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 79. Delete the second paragraph of section 902.2.4.1 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-79; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2914*)

675 IAC 22-2.2-80 Section 902.2.4.2; closure of accessways

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 80. In section 902.2.4.2, at the beginning of the first paragraph, add the words "Where required by local ordinance". (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-80; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2914*)

675 IAC 22-2.2-81 Section 902.3.1; required access

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 81. In section 902.3.1, delete the second paragraph without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-81; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2915*)

675 IAC 22-2.2-82 Section 902.3.2; maintenance of exterior doors and openings

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 82. In section 902.3.2, delete the first sentence. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-82; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2915*)

675 IAC 22-2.2-83 Section 902.4; key boxes

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 83. (a) Delete the text of section 902.4 and substitute the following: 902.4.1 When Required. Whenever the servicing fire department has instituted a key box emergency access system, a key box compatible with that system shall be installed in an accessible location if:

- (1) the building is protected with an automatic sprinkler system equipped with a local or transmitted water-flow alarm, or
- (2) the building is provided with any fire alarm system equipped with an outside audible/visual signaling device, or
- (3) the building is provided with any fire alarm system where the alarm is transmitted to an off-site location, or to the fire alarm center for the servicing fire department.

(b) Add the following subsections to section 902.4:

902.4.2 Responsibility for Key Box. Key boxes are to be provided by the building owner and shall contain such keys necessary to access all protected areas of the building. Multi-tenant buildings may share an owner-provided box, and the building owner shall assume responsibility for insuring that keys are updated as appropriate. Tenant-provided boxes may not be shared with any other tenant, and the tenant assumes responsibility for key updates for the subject tenant space.

EXCEPTION: Key boxes for apartment houses are not required to contain keys to individual apartment dwelling units.

902.4.3. Existing Buildings. When a design release is issued by the office of the state building commissioner or a permit by local government when a design release is not required for construction, buildings prior to the effective date of this code shall not be required to provide a key box or key boxes under this section. Any new tenancy within a space previously occupied by a different tenant shall require that a key box be provided in accordance with subsections 902.4 and 902.4.1. Existing buildings required to install a key box or key boxes by this section shall not be in violation of this section until one (1) year after the effective date of this code.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-83; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2915)

675 IAC 22-2.2-84 Section 903.2; required water supply for fire protection

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 84. Delete section 903.2 and substitute the following: Required Water Supply for Fire Protection. A water supply capable of supplying the required fire flow, for firefighting purposes, as determined by local ordinance, shall be provided to all premises upon which Class 1 buildings or portions of Class 1 buildings are hereafter constructed. The water supply shall be provided as follows:

(1) When a public water supply is available to a premises, there shall be provided fire hydrants and mains capable of supplying the required fire flow.

(2) When a public water supply is not available to a premises, the water supply shall consist of a pond, stream, river, canal, lake, reservoir, quarry, pressure tank, elevated tank, swimming pool, other fixed systems, or fire department delivered portable system capable of providing the required fire flow. The on-site water supply shall be accessible to the fire department and be located within one hundred fifty (150) feet of the Class 1 building or structure being protected with an automatic fire-extinguishing *[sic.]* system. If the on-site water supply is not within one hundred fifty (150) feet of the structure being protected, the water supply shall be connected to on-site fire hydrants and mains capable of supplying the required fire flow. The owner shall verify the water supply requirements with the servicing fire department prior to final design and construction.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-84; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2915)

675 IAC 22-2.2-85 Section 903.3; type of water supply

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 85. Change section 903.3 to read as follows: In setting the requirements for the fire flow, the chief may be guided by Appendix III-A, when required by local ordinance. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-85; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2915)*

675 IAC 22-2.2-86 Section 903.4.2; required installations

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 86. In section 903.4.2, delete the words “as required and approved. See Appendix III-B.” and substitute the words “as may be required by local ordinance.”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-86; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2915)*

675 IAC 22-2.2-87 Section 903.4.3; protection, marking, and obstruction of hydrants

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 87. (a) In section 903.4.3, change the heading to read as follows: Protection of Fire Hydrants, Fire Department Connections, Sprinkler/Standpipe Control Valves, Marking and Obstruction.

(b) In section 903.4.3, change the first sentence to read as follows: When exposed to possible damage from vehicles due to a lack of a six (6) inch curb, fire hydrants, fire department connections, and sprinkler/standpipe control valves shall be protected in accordance with section 8001.11.3. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-87; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2916)*

675 IAC 22-2.2-88 Section 1001.3; plans

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 88. (a) In section 1001.3, delete the words “to the fire department” from the first sentence.

(b) In section 1001.3, delete the words “and approval” from the first sentence and substitute the following: “in accordance with 675 IAC 12-6 and with the local unit of government where required by local ordinance”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-88; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2916*)

675 IAC 22-2.2-89 Section 1001.4; installation acceptance testing

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 89. (a) Delete the title and text of section 1001.4 and substitute the following: 1001.4. General. Fire alarm systems; fire hydrant systems; fire-extinguishing systems, including automatic sprinklers and wet and dry standpipes; halon systems and other special types of automatic fire-extinguishing systems; and other fire protection system appurtenances thereto shall be installed, located, inspected, maintained, and tested in accordance with the rules of the commission.

(b) Add a subsection to section 1001.4 to read as follows: 1001.4.1 Inspection and Testing. Automatic sprinkler systems in existing buildings shall conform to and be maintained in accordance with NFPA 13 in effect at the time of installation. All automatic sprinkler systems shall be inspected and tested in accordance with section 5 of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-89; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2916*)

675 IAC 22-2.2-90 Section 1001.5; maintenance, inspection, and testing systems out of service

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 90. (a) Delete the text of section 1001.5.1 and substitute to read as follows: See section 5 of this code.

(b) Delete section 1001.5.2 and substitute the following: 1001.5.2 Elevator Emergency Equipment. Fire department over rides, communication systems, emergency stop provisions, smoke detector/fire recall, and other such systems shall be maintained at all times for elevators that have such systems in accordance with the Elevator Safety Code and the building code.

(c) Delete sections 1001.5.3 and 1001.5.4 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-90; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2916*)

675 IAC 22-2.2-91 Section 1001.5.5; smoke-control systems

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 91. (a) In section 1001.5.5, in the second sentence, delete the words “unless otherwise required by the chief,”.

(b) In section 1001.5.5, delete the words “approved persons” and substitute the words “qualified persons”.

(c) In section 1001.5.5, delete the words “quarterly” and substitute the words “annual”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-91; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2916*)

675 IAC 22-2.2-92 Section 1001.7.2; clear space around hydrants

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 92. In section 1001.7.2, delete the words “except as otherwise required or approved”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-92; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2916*)

675 IAC 22-2.2-93 Section 1001.8; marking of fire protection equipment and fire hydrants

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 93. At the end of the first sentence of section 1001.8, add the words “when required by local ordinance”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-93; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2916*)

675 IAC 22-2.2-94 Section 1001.9; special hazards

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 94. Delete section 1001.9 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-94; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2917*)

675 IAC 22-2.2-95 Section 1001.10; fire appliances

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 95. Delete section 1001.10 and substitute the following: 1001.10 Type Required. The type and number of fire appliances to be installed and maintained shall be in accordance with the rules of the commission. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-95; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2917*)

675 IAC 22-2.2-96 Section 1002.1; portable fire extinguishers, general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 96. In section 1002.1, delete the words “and as required by the chief” and substitute the words “and as may be required by local ordinance”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-96; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2917*)

675 IAC 22-2.2-97 Section 1003; fire-extinguishing systems

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 97. Delete the text of section 1003 and substitute the following: 1003 Fire-Extinguishing Systems. Fire-extinguishing systems shall be installed and maintained in accordance with NFPA 13 in effect at the time of construction, alteration, or change of occupancy. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-97; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2917*)

675 IAC 22-2.2-98 Section 1004; standpipes

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 98. Delete the text of section 1004 and substitute the following: 1004 Standpipes. Standpipe systems shall be installed and maintained in accordance with NFPA 14 in effect at the time of construction, alteration, or change of occupancy. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-98; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2917*)

675 IAC 22-2.2-99 Section 1005; basement pipe inlets

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 99. In section 1005, delete the words “the Building Code. See Appendix III-D” and substitute the words “local ordinance”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-99; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2917*)

675 IAC 22-2.2-100 Section 1006.1; ventilating hood and duct systems

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 100. (a) Delete section 1006.1 and substitute the following: 1006.1 General. Exhaust systems with Type I hoods shall be

installed in accordance with the mechanical code in effect at the time of installation or alteration, and maintained in accordance with the conditions of labeling (if labeled), the manufacturer's instructions and the following:

- (1) A cleaning schedule shall be posted on site for every exhaust system with a Type I hood. The schedule shall indicate methods of cleaning and the time interval between cleaning.
- (2) Surfaces subject to oil or grease deposits shall be cleaned to bare metal at intervals frequent enough to prevent oil or grease deposits from exceeding a thickness of twenty-five thousandths (0.025) inch. Exhaust systems with Type I hoods shall be inspected by a qualified person at least every six (6) months.
- (3) Flammable solvents or other flammable cleaning agents shall not be used.
- (4) Care shall be taken not to apply cleaning chemicals to fusible links or other detection devices of the fire-extinguishing equipment.
- (5) At the start of the cleaning process, electrical switches shall be locked out. WHEN CLEANING PROCEDURES ARE COMPLETED, ALL ELECTRICAL SWITCHES, DETECTION DEVICES, AND SYSTEM COMPONENTS SHALL BE RETURNED TO AN OPERABLE CONDITION BY QUALIFIED PERSONNEL.
- (6) Records of cleaning, maintenance, and inspections shall be maintained on site for a period of three (3) years, and a certificate of inspection shall be forwarded to the chief of the local fire department upon completion.

EXCEPTION: Where the local health official or the Indiana Department of Health has more stringent cleaning requirements than those stated above, they shall take precedence over these requirements.

(b) Add a subsection to read as follows: 1006.1.1 Existing Equipment. Exhaust systems with Type I hoods installed prior to the effective date of this code shall be maintained in accordance with the mechanical code in effect when the exhaust system with a Type I hood was installed.

EXCEPTION: All exhaust systems with Type I hoods shall be cleaned in accordance with the requirements of this section.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-100; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2917)

675 IAC 22-2.2-101 Section 1006.2.1; where required

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 101. Delete section 1006.2.1 and substitute the following: 1006.2.1 Where Required. Fire-extinguishing equipment for Type I hoods shall be installed in accordance with the Indiana Mechanical Code (675 IAC 18), and maintained in accordance with section 1006.1 of this code.

EXCEPTION: Fire-extinguishing [*sic.*] systems for Type I hoods that serve deep fat fryers and other cooking appliances shall be either a system listed for application with such equipment or an automatic fire-extinguishing system that is specifically designed for such application.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-101; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2918)

675 IAC 22-2.2-102 Section 1006; protection of commercial cooking operations

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 102. Delete the title, section numbers, and text of sections 1006.2.2, 1006.2.3, 1006.2.4, 1006.2.5, 1006.2.6, and 1006.2.7 and substitute to read as follows: See the Indiana Mechanical Code (675 IAC 18) in effect at the time of installation or alteration.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-102; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2918)

675 IAC 22-2.2-103 Section 1006.2.7; portable fire extinguishers

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 103. Delete section 1006.2.7 and substitute the following: 1006.2.7 Alkaline dry chemical-type portable fire extinguishers shall be installed in the kitchen area for the protection of the cooking equipment. Extinguishers shall have a minimum rating of forty (40) B (sodium bicarbonate or potassium bicarbonate base) and shall be conspicuously located and readily accessible along exit paths from the area. The extinguishers shall be a minimum of ten (10) feet and maximum of twenty (20) feet from the cooking equipment.

The top of the extinguishers shall be a maximum of five (5) feet above the floor and shall be protected from physical damage.

EXCEPTION: If portable fire extinguishers were not required they shall be installed in accordance with the present Indiana Mechanical Code (675 IAC 18).

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-103; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2918)

675 IAC 22-2.2-104 Section 1006.2.8; operations and maintenance

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 104. Change section 1006.2.8 to read as follows: The exhaust system in connection with Type I hoods shall be operated at the designed level, and required grease filters shall be in place when equipment under a Type I hood is used. If grease extractors are installed, they shall be operated when the commercial food heat-processing equipment is used.

Extinguishing systems shall be inspected and serviced at least every six (6) months and after activation of the system. Inspection and servicing shall be by qualified individuals, and a service and inspection report shall be left at the site. A Certificate of Inspection shall be forwarded to the chief of the local fire department upon completion of servicing or inspection. All inspections performed shall be to the code in effect at the time of installation, alteration, or modification.

Fusible links, sprinklers, and automatic spray nozzles shall be replaced at least annually, or more frequently if necessary, to ensure proper operation of the system, and other protection devices shall be serviced or replaced in accordance with the manufacturer's instructions.

EXCEPTION 1. Frangible bulbs need not be replaced annually.

EXCEPTION 2. When automatic bulb-type sprinklers or spray nozzles are used and an annual examination shows no buildup of grease or other material on the sprinkler or spray nozzle.

Hoods, grease-removal devices, fans, ducts, and other appurtenances shall be cleaned at frequent intervals in accordance with section 1006.1. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-104; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2918; filed Dec 2, 2001, 12:30 p.m.: 25 IR 1176)*

675 IAC 22-2.2-105 Section 1007.1; general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 105. Delete section 1007.1 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-105; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2918)*

675 IAC 22-2.2-106 Section 1007.2.9.2; existing Group R occupancies

Authority: IC 22-13-2-2

Affected: IC 22-11-8; IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 106. Delete section 1007.2.9.2 in its entirety and substitute to read as follows:

1007.2.9.2 General. See IC 22-11-18.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-106; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2918; filed Mar 25, 1999, 4:30 p.m.: 22 IR 2528)

675 IAC 22-2.2-107 Section 1007.3.1; design standards

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 107. In section 1007.3.1, delete the words "and other nationally recognized standards". *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-107; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2919)*

675 IAC 22-2.2-107.1 Section 1007.3.3.3.4; visual alarms

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 107.1. In section 1007.3.3.3.4, delete all of the text after the word “lobbies”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-107.1; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2919*)

675 IAC 22-2.2-108 Section 1007.3.3.4; connections to other systems

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 108. In section 1007.3.3.4, delete the words “other than fire warning unless approved” and insert the words “not specifically listed for and approved by the manufacturer.”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-108; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2919*)

675 IAC 22-2.2-109 Section 1007.3.3.6.1; monitoring, general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 109. In section 1007.3.3.6.1, delete the words “by the chief” and insert the words “by the building code or by local ordinance”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-109; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2919*)

675 IAC 22-2.2-110 Section 1007.3.3.6.2; automatic telephone dialing devices

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 110. Change section 1007.3.3.6.2 to read as follows: Automatic telephone dialing devices used to transmit an emergency alarm shall not be connected to any fire department telephone number unless approved by the servicing fire department or dispatch agency. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-110; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2919*)

675 IAC 22-2.2-111 Section 1007.3.3.7; annunciation

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 111. In section 1007.3.3.7, delete the words “when required by the chief” and substitute the words “when required by section 17 of this code”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-111; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2919*)

675 IAC 22-2.2-112 Section 1007.3.4.1; acceptance test

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 112. Change the text of section 1007.3.4.1 to read as follows: Upon completion of the installation, a satisfactory test of the entire system shall be made. All functions of the system or alteration shall be tested. The fire department shall be notified a minimum of twenty-four (24) hours prior to the test. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-112; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2919*)

675 IAC 22-2.2-113 Section 1007.3.4.2; certification

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 113. (a) In section 1007.3.4.2, delete the words “The permittee shall provide written certification to the chief” and substitute the words “The chief shall be provided with written documentation”.

(b) In section 1007.3.4.2, delete the word “approved”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-113; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2919*)

675 IAC 22-2.2-114 Section 1007.3.4.3; instructions

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 114. Change section 1007.3.4.3 to read as follows: Operation and testing shall be provided at an approved location. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-114; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2919*)

675 IAC 22-2.2-115 Section 1101.1; scope

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 115. In section 1101.1, delete the words “II-A; II-D and IV-A”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-115; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2919*)

675 IAC 22-2.2-116 Section 1101.3; permits and plans

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 116. (a) In the title of section 1101.3, delete the words “Permits and”.

(b) Delete the first paragraph of section 1101.3.

(c) In section 1101.3, in the second paragraph, delete the words “with applications for fire storage permits” and substitute the words “to the fire department”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-116; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2920*)

675 IAC 22-2.2-117 Section 1102.2.5; discontinuance

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 117. Delete the text of section 1102.2.5 and substitute to read as follows: The chief is authorized to require incinerator use to be immediately discontinued if the use of the incinerator constitutes a hazardous condition. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-117; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2920*)

675 IAC 22-2.2-118 Section 1102.3.4; time and atmospheric restrictions

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 118. Delete section 1102.3.4 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-118; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2920*)

675 IAC 22-2.2-119 Section 1102.3.7; attendance

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 119. Change section 1102.3.7 to read as follows: Burning material shall be constantly attended by a person knowledgeable in the use of the fire-extinguishing equipment required by this section and familiar with any limitations which restrict open burning. An attendant shall supervise the burning material until the fire has been extinguished. (*Fire Prevention and Building Safety*

Commission; 675 IAC 22-2.2-119; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2920)

675 IAC 22-2.2-120 Section 1102.3.8; discontinuance

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 120. Change section 1102.3.8 to read as follows: The chief of the servicing fire department is authorized to require that open burning be immediately discontinued if the open burning is determined by the chief to constitute a hazardous condition. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-120; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2920)*

675 IAC 22-2.2-121 Section 1102.4.5; discontinuance

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 121. In section 1102.4.5, delete the words “are determined by the chief to”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-121; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2920)*

675 IAC 22-2.2-122 Section 1103.2.4; combustible vegetation

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 122. (a) In section 1103.2.4, in the first sentence, delete the words “by the chief”.

(b) In section 1103.2.4, in the second sentence, delete the words “the chief determines that”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-122; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2920)*

675 IAC 22-2.2-123 Section 1103.3.2.2; ceiling clearance

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 123. Change section 1103.3.2.2 to read as follows: Storage of combustible materials in buildings shall be orderly and maintained a minimum of two (2) feet from the ceiling and a minimum of eighteen (18) inches below sprinkler head deflectors.

EXCEPTION: Sidewall storage to a maximum depth of thirty (30) inches of in-rack storage shall be acceptable to the ceiling in an unsprinklered building.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-123; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2920)

675 IAC 22-2.2-124 Section 1103.3.2.4; equipment rooms

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 124. Change section 1103.3.2.4 to read as follows: Combustible material shall not be stored in boiler rooms, mechanical rooms, or electrical equipment rooms if such rooms are required to be separated, by the rules of the commission, from other parts of the building by fire resistive assemblies or construction.

EXCEPTION: Combustible material, enclosed in metal cabinets or lockers, may be stored in electrical equipment rooms providing the required clearance is maintained around equipment.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-124; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2920)

675 IAC 22-2.2-125 Section 1103.3.3.1; use of combustible decorative materials, general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 125. (a) In section 1103.3.3.1, Exception 3, delete the words “of an approved type”.

(b) In section 1103.3.3.1, delete Exception 4, and substitute the following: 4. Decorations may be combustible as long as they do not exceed five percent (5%) of the gross wall area, are distributed in a manner so as not to create a fire hazard, and are not of a type specifically prohibited by this code. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-125; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2921)*

675 IAC 22-2.2-126 Section 1103.3.3.4; foam plastics

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 126. In section 1103.3.3.4, Exception 2, delete “This requirement may be waived by the chief”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-126; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2921)*

675 IAC 22-2.2-127 Section 1103.3; storage, use, and handling of miscellaneous combustible materials

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 127. Add the following subsections to section 1103.3: (a) 1103.3.3.7 Curtains and Drops. Materials used as curtains or drops for stages or platforms in Group A, Group E, or Group B eating and drinking establishments with an occupant load of less than fifty (50), shall be noncombustible, flame resistant, or treated with a flame resistant treatment in accordance with section 1103.3.3.8.

(b) 1103.3.3.8 Flame Resistant Treatments for Curtains and Drops. Chemicals used to treat combustible curtains or drops for flame resistance shall be listed for that use. Documentation shall be available upon request.

(c) 1103.3.3.9 In all occupancies, exit doors, exit lights, fire alarm and suppression systems, and portable fire extinguishers shall not be concealed or obstructed by any decorative material. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-127; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2921; filed May 5, 1999, 5:42 p.m.: 22 IR 2872)*

675 IAC 22-2.2-128 Section 1103.3.5.1; location

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 128. In section 1103.3.5.1, delete the second exception. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-128; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2921)*

675 IAC 22-2.2-129 Section 1103.3.6.3; separation

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 129. In section 1103.3.6.3, add a sentence to read as follows: The maximum height of a pile of tires shall not exceed twenty (20) feet, and the maximum length of any side of a pile shall not exceed two hundred fifty (250) feet. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-129; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2921)*

675 IAC 22-2.2-130 Section 1103.3.6.3; separation

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 130. Add the following subsections to section 1103.3.6.3: (a) 1103.3.6.3.1 Ignition Sources. Piles of waste tires shall be separated from all potential ignition sources, including cutting and welding devices and open fires, by not less than two hundred fifty (250) feet unless such activity is carried out within a building which complies with the rules of the commission.

(b) 1103.3.6.3.2 Vegetative Growth. Piles of whole waste tires shall be separated from grass, weeds, brush, overhanging tree limbs, and similar vegetative growth by no less than fifty (50) feet.

(c) 1103.3.6.3.3 Separation. Piles of waste tires must be at least one hundred (100) feet away from the property line on which tire storage is located.

(d) 1103.3.6.3.4 Storage of Tire Pieces Less Than Four (4) Square Inches. Piles of altered waste tires consisting of tire pieces less than four (4) square inches in size shall be stored in piles in accordance with the following provisions:

- (1) The maximum height of a storage pile of waste tire pieces shall not exceed twenty (20) feet, the maximum width shall not exceed fifty (50) feet, and the maximum length shall not exceed one hundred fifty (150) feet.
- (2) Each pile of tire pieces must be surrounded by a fire lane of at least forty (40) feet wide. This area surrounding the tire piles shall consist of noncombustible material, such as gravel.
- (3) Each pile of tire pieces must be at least one hundred (100) feet from any building.

(e) 1103.3.6.3.5 Storage of Whole Waste Tires and Tire Pieces Greater Than Four (4) Square Inches. Whole waste tires and altered waste tires consisting of pieces greater than four (4) square inches in size shall be stored in piles in accordance with the following provisions:

- (1) The maximum height of a waste tire pile shall not exceed twenty (20) feet, and the maximum width or length shall not exceed two hundred fifty (250) feet.
- (2) Waste tire storage piles shall be separated from all buildings, whether located on site or off site, by one hundred (100) feet. All other tire storage piles shall be separated by a distance that is not less than the distance specified in Table 1103.3.6.3.5.
- (f) Add Table 1103.3.6.3.5, Separation Distances to read as follows:

Table 1103.3.6.3.5
Separation Distances

Exposed Side Length*	Tire Storage Pile Height									
	2	4	6	8	10	12	14	16	18	20
10	21	28	33	38	39	42	44	47	49	52
25	29	40	49	56	62	67	73	77	82	85
50	37	53	65	75	84	93	100	107	113	118
100	43	68	86	100	116	128	137	146	155	164
150	46	71	99	117	135	149	164	178	189	198
200	47	81	108	130	149	167	183	198	212	226
250	47	84	115	140	162	181	198	216	231	245

*Units in feet

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-130; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2921)

675 IAC 22-2.2-131 Section 1103.3.6; outside storage of tires

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 131. Add, to section 1103.3.6, a new subsection to read as follows: 1103.3.6.4 Location. Tires stored in the open shall be on level ground and in an area where the local fire department has access to all sides of the pile in case of fire. Tires shall not be stored on hillsides, in ditches, gulleys, waterways, wetlands, or swamps. Tires shall not be stored in caves, rock quarries, or any other remote or hidden site that is difficult to access for firefighting purposes. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-131; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2922)*

675 IAC 22-2.2-132 Section 1106; gas meters and piping

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 132. Change section 1106 to read as follows: Aboveground gas meters, regulators, and piping exposed to vehicle damage due to proximity to alleys, driveways, or parking areas shall be protected in accordance with section 8001.11.3. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-132; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2922)*

675 IAC 22-2.2-133 Section 1109.4.1; designated areas

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 133. Change section 1109.4.1 to read as follows: Whenever smoking constitutes a fire hazard in any area of piers, wharfs,

warehouses, stores, industrial plants, institutions, schools, places of assembly, and in open spaces where combustible materials are stored or handled, the chief is authorized to order the owner or occupant to post approved NO SMOKING signs in each building, structure, room, or place in which smoking is prohibited. Such signs shall be conspicuously and suitably located and shall be maintained.

- EXCEPTIONS: 1. Buildings or structures which are smoke-free environments and are posted as such at all public and employee entrances, and
2. No visible evidence of prohibited smoking exist [*sic.*, *exists*] within the building or structure.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-133; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2922)

675 IAC 22-2.2-134 Section 1109.4.2; hazardous environmental conditions

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 134. (a) In section 1109.4.2, delete the words “the chief determines that”.

(b) In section 1109.4.2, delete the exception without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-134; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2922)*

675 IAC 22-2.2-134.5 Section 1109.8.1; general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 134.5. Change section 1109.8.1 to read as follows: The use of candles and other open-flame decorative devices shall be in accordance with section 1109.8.

EXCEPTION: All Division “R” occupancies.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-134.5; filed Dec 2, 2001, 12:30 p.m.: 25 IR 1177)

675 IAC 22-2.2-135 Section 1109.8.3; religious ceremonies

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 135. In section 1109.8.3, delete the words “in the opinion of the chief, adequate” and substitute the word “approved”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-135; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2922)*

675 IAC 22-2.2-136 Section 1109.8.4; theatrical performances

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 136. Change section 1109.8.4 to read as follows: Open-flame devices used in conjunction with theatrical performances are allowed to be used after consultation with the servicing fire department and when adequate safety precautions have been provided. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-136; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2922)*

675 IAC 22-2.2-137 Section 1111.2.3; identification

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 137. Change section 1111.2.3 to read as follows: A sign shall be displayed permanently near or on each required fire door in letters not less than one (1) inch (twenty-five and four-tenths millimeters [*sic.*] (25.4 mm)) high to read as follows:

FIRE DOOR
DO NOT OBSTRUCT.

For purposes of this section, fire door means an assembly which is part of an area or occupancy separation. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-137; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2922)*

675 IAC 22-2.2-138 Section 1202.1; adequacy of means of egress in existing occupancies, general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 138. (a) In section 1202.1, delete the words “, in the opinion of the chief.”.

(b) In section 1202.1, delete the second paragraph. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-138; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2923*)

675 IAC 22-2.2-139 Section 1202.2; abatement of buildings and structures with inadequate exits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 139. Delete section 1202.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-139; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2923*)

675 IAC 22-2.2-140 Section 1205; fire escapes

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 140. Change the text of section 1205 to read as follows: 1205 Fire Escapes. A fire escape that is used as an exit shall comply with the provisions of this section.

(a) The fire escape shall not be the primary or the only exit.

(b) The fire escape shall not take the place of stairways required by the code under which the building was built.

(c) Access from a corridor shall not be through an intervening room.

EXCEPTION: Access through an intervening room may be permitted if the intervening door is not lockable and an exit sign is installed above the door which will direct occupants to the fire escape.

(d) An encumbrance of any kind shall not be placed on or in front of any fire escape.

(e) Fire escapes shall be kept clear and unobstructed at all times and maintained in good working order.

(f) Exit signs shall be maintained in accordance with 675 IAC 13, the Indiana Building Code, or the code in effect at the time of construction. All doors or windows providing access to a fire escape shall be provided with FIRE ESCAPE signs.

(g) Fire escape stairways and their balconies shall support their dead load plus a live load of not less than one hundred (100) pounds per square foot or concentrated load of three (300) hundred pounds placed anywhere on the balcony or stairway so as to produce the maximum stress condition. Escape stairways and their balconies shall be provided with a top and intermediate handrail on the open side. All stair and balcony railings shall support a horizontal force of not less than fifty (50) pounds per linear foot. Documentation to show compliance with this section shall be required.

(h) Tubular fire escapes shall comply with subdivisions (a) through (g) of this section and shall be structurally sound and maintained in a rust free, safe operating manner.

(*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-140; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2923*)

675 IAC 22-2.2-141 Section 1207.3; locking devices

Authority: IC 22-13-2-2

Affected: IC 22-11-17; IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 141. (a) In section 1207.3, delete the last sentence of Exception 1 to the first paragraph.

(b) Add Exception 3 to the first paragraph to read as follows: EXCEPTION 3. Facilities that are regulated under IC 22-11-17. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-141; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2923*)

675 IAC 22-2.2-142 Section 1210.5; enclosures

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 142. Change section 1210.5 to read as follows: Stair and ramp enclosures required by the Building Code shall be maintained and shall have no openings except as permitted by the Building Code. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-142; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2923)*

675 IAC 22-2.2-143 Section 1213.2; means of egress plans

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 143. Change section 1213.2 to read as follows: Plans for exiting shall be posted when required by the rules of the commission or by local ordinance. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-143; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2923)*

675 IAC 22-2.2-144 Section 1302.1; reporting of emergencies and false alarms, general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 144. Change section 1302.1 to read as follows: Reporting of fires and flammable materials releases shall be in accordance with this section. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-144; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2923)*

675 IAC 22-2.2-145 Section 1302.2; reporting emergencies

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 145. Change section 1302.2 to read as follows: In the event a fire occurs or the discovery of a fire, smoke, or unauthorized release of flammable materials on any property occurs, the owner or occupant shall, without delay, report such condition to the fire department.

EXCEPTION: Flammable liquids spills limited to two (2) gallons at facilities with trained emergency response personnel on staff and not open to the general public.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-145; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2924; filed Dec 2, 2001, 12:30 p.m.: 25 IR 1177)

675 IAC 22-2.2-146 Section 1303.1; emergency plans and procedures, general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 146. In section 1303.1, delete the words "See also Appendix I-B". *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-146; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2924)*

675 IAC 22-2.2-147 Section 1303.3.3.2; fire drills

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 147. (a) In section 1303.3.3.2(1), exception, delete the words "when approved" and substitute the words ", up to ten (10) days".

(b) In section 1303.3.3.2(3), change to read as follows: The fire department shall be notified prior to each drill.

EXCEPTION: If, after consultation with the fire department, the Group E occupant and the fire department deem notification either unnecessary or desirable.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-147; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2924)

675 IAC 22-2.2-148 Section 1303.3.4.2; training

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 148. Add a new subsection to section 1303.3.4.2 to read as follows: 1303.3.4.2.3 Training Records. All training shall be documented for each employee and shall be made available to the inspection authority upon request. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-148; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2924*)

675 IAC 22-2.2-149 Section 1303.3.5.2; means of egress diagrams

Authority: IC 22-13-2-2

Affected: IC 22-11-16; IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 149. Change section 1303.3.5.2 to read as follows: 1303.3.5.2 Emergency Escape Plan. General. All hotels, motels, and buildings containing three (3) or more sleeping rooms that rent for a fee shall have an emergency escape plan sign (Appendix I-A) that shall be permanently affixed to the back of each guest room exit door and by the entrance to every required exit way.

EXCEPTION: Hotels and motels that have no interior corridor and whose individual rooms have only exterior exits. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-149; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2924*)

675 IAC 22-2.2-150 Section 1303.3.5.2; sign

Authority: IC 22-13-2-2

Affected: IC 22-11-16; IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 150. Add the following subsections to section 1303.3.5.2:

1303.3.5.2.1 Sign. The emergency escape plan sign (Appendix I-A) shall conform to the following:

- (1) The sign shall be a minimum of eight and one-half inches by eleven inches (8½" × 11").
- (2) Lettering shall conform to the sizes as indicated in Appendix I-A.
- (3) The sign shall be permanently affixed to the inside of each guest room door and shall be located no higher than sixty (60) inches nor lower than forty (40) inches from floor level.
- (4) The signs shall have a light background with sharply contrasting lettering.
- (5) The sign shall show the precise location (you are here) where one is with respect to the rest of the corridor.
- (6) The sign shall further contain a safety warning on safe evacuation procedures from the individual room and instructions on practical emergency procedures in case of fire or other emergency.
- (7) The sign shall indicate the actual number of doors to the right and/or left to the nearest fire exit. A room with a direct exit to the outside or immediate access to approved exit stairs shall indicate on the sign zero (0).
- (8) The sign shall contain the telephone number of the local fire department and the manager's office number or other designated number.

1303.3.5.2.2 Emergency Information Sign. General. All buildings containing three (3) or more apartments shall have an emergency information sign (Appendix I-B) that shall be permanently affixed in a prominent location of each individual apartment.

EXCEPTION: Apartments with immediate ground level access to the outside.

1303.3.5.2.3. Sign. The emergency information sign (Appendix I-B) shall conform to the following:

- (1) The sign shall be a minimum of eight and one-half by eleven inches (8½ × 11").
- (2) Lettering shall conform to the size indicated in Appendix I-B.
- (3) The sign shall be permanently affixed in a prominent location and shall not be located higher than sixty (60) inches or lower than forty (40) inches from the floor level.
- (4) The sign shall have a light background with sharply contrasting lettering.
- (5) The sign shall contain the local fire department's telephone number and the manager's office number or other designated number.
- (6) The sign shall contain a safety warning on safe evacuation procedures from individual apartments and instruction on practical emergency procedures in case of fire or other emergency.
- (7) Where there is immediate ground level access to the outside of an individual apartment, the emergency sign for stairway identification is not required.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-150; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2924)

675 IAC 22-2.2-151 Section 1303.3.5.3.1; fire emergency guide for apartment buildings, general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 151. Delete section 1303.3.5.3.1 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-151; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2925)*

675 IAC 22-2.2-152 Section 1303.3.6; Group R, Division 4 occupancies

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 152. Delete section 1303.3.6 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-152; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2925)*

675 IAC 22-2.2-153 Section 1303.4.1; emergency plans, general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 153. In section 1303.4.1, delete the word “refuge” and substitute the words “rescue assistance”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-153; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2925)*

675 IAC 22-2.2-154 Section 1303.4.2; review

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 154. Delete, in section 1303.4.2, the words “when required by the chief”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-154; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2925)*

675 IAC 22-2.2-155 Section 1303.5; employee duties, assignments, and training

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 155. In section 1303.5, delete the word “refuge” and substitute the words “rescue assistance”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-155; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2925)*

675 IAC 22-2.2-156 Section 1303.5; employee duties, assignment, and training

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 156. Add, to section 1303.5, a new subsection to read as follows: 1303.5.1 Training Records. See section 1303.3.4.2.3. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-156; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2925)*

675 IAC 22-2.2-157 Section 1303.6; fire drills

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 157. Add, to section 1303.6, a subsection to read as follows: 1303.6.5 Notification. The local fire department shall be notified a minimum of thirty (30) minutes prior to the initiation of a fire drill. See 1303.3.3.2 Number 3. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-157; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2925)*

675 IAC 22-2.2-158 Section 2401.2; permits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 158. Delete section 2401.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-158; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2925*)

675 IAC 22-2.2-159 Section 2401.4; transferring fuel

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 159. Change section 2401.4 to read as follows: Flammable and combustible liquids shall not be dispensed into or removed from the fuel system of an aircraft within an aircraft hanger [*sic.*, *hangar*] except where permitted by Article 79 of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-159; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2925*)

675 IAC 22-2.2-160 Section 2401.5; application of flammable and combustible liquid finishes

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 160. In section 2401.5, delete the word “approved” and substitute the words “that meet the requirements of Article 45 of this code”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-160; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2925*)

675 IAC 22-2.2-161 Section 2401.12; combustible storage

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 161. Change section 2401.12 to read as follows: No combustible, flammable, or other hazardous materials shall be stored in an aircraft hangar unless they are stored in containers and areas designed for that purpose in accordance with this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-161; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2926*)

675 IAC 22-2.2-162 Section 2401.13.1; portable fire extinguishers, general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 162. Change section 2401.13.1 to read as follows: Portable fire extinguishers suitable for flammable or combustible liquid and electrical-type fires shall be provided as specified in section 2401.13. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-162; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2926*)

675 IAC 22-2.2-163 Section 2402.5.2; garaging

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 163. In section 2402.5.2, delete the words “and the chief.” and substitute the words “after consulting with the fire chief.”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-163; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2926*)

675 IAC 22-2.2-164 Section 2402.6; conditions of equipment

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 164. Change the last sentence of section 2402.6 to read as follows: Defective equipment shall not be used until repaired or rendered safe. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-164; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2926*)

675 IAC 22-2.2-165 Section 2403.1; general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 165. Add the following subsection to section 2403.1: 2403.1.1 Prohibited use. Refueling, maintenance, repairs, or storage of helicopters is prohibited at helistops. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-165; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2926)*

675 IAC 22-2.2-166 Section 2501.3; permits and plans

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 166. Change section 2501.3 to read as follows: For permits to operate a regulated place of amusement or entertainment, see Rule 9 of the General Administrative Rules (675 IAC 12-9). *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-166; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2926)*

675 IAC 22-2.2-167 Section 2501.4.2; communication

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 167. In section 2501.4.2, delete the words "when required by the chief". *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-167; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2926)*

675 IAC 22-2.2-168 Section 2501.4; supervision and communication system

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 168. Add the following subsection to section 2501.4: 2501.4.3 Announcements. Not more than ten (10) minutes prior to the scheduled commencement of any special activity, event, performance, show, meeting, function, or other occasion for which persons will gather at a place of assembly or education with an occupant load of fifty (50) or more, the owner or his authorized agent shall orally notify all attendees concerning the location of exits to be used in case of fire or other emergency and shall also notify all attendees of smoking regulations. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-168; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2926)*

675 IAC 22-2.2-169 Section 2501.5; decorative materials

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 169. Change section 2501.5 to read as follows: Decorative material, including Christmas trees, that would tend to increase the fire and panic hazard shall be made from material which is not flammable material or shall be treated and maintained in a flame-retardant condition by means of flame-retardant solution or process. See section 1103.3.3 of this code. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-169; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2926)*

675 IAC 22-2.2-170 Section 2501.14; plan of exit ways and aisles

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 170. Change section 2501.14 to read as follows: A plan indicating the seating arrangements, location and width of exit ways, and aisles shall be submitted to the fire department, and a copy of the plan shall be kept on display on the premises. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-170; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2926)*

675 IAC 22-2.2-171 Section 2501.16.2; determination of occupant load

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 171. Delete section 2501.16.2 and substitute the following: Determination of Occupant Load. The number of persons in a building or portion thereof shall not exceed the amount determined as specified in the Building Code except that where such additional exit facilities are provided the occupant load can be increased by not more than ten percent (10%) without being considered overcrowded. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-171; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2927)*

675 IAC 22-2.2-172 Section 2501.16.3; overcrowding

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 172. In section 2501.16.3, delete the word “chief” and substitute the words “inspection authority”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-172; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2927)*

675 IAC 22-2.2-173 Section 2501.18; standby personnel

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 173. Add, to section 2501.18, the sentence “Standby personnel shall be provided at a rate of one (1) standby per each five hundred (500) persons in attendance.”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-173; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2927)*

675 IAC 22-2.2-174 Section 2504.2.2.1; vehicular traffic

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 174. Add the following subsection to section 2504.2.2: 2504.2.2.1 Vehicular Traffic. No vehicle except emergency fire or rescue equipment shall be permitted on the midway from the time the midway opens until closing (including owners, operators, vendors, and service vehicles). *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-174; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2927)*

675 IAC 22-2.2-175 Section 2504.3.1; concession stands, general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 175. Add the following subsections to section 2504.3.1:
2504.3.1.1 Hinges, Awnings, and Braces. Hinges, awnings, and braces must be safety keyed. Nails shall not be used for hinge or support pins.
2504.3.1.2 When tent stakes and ropes extend into traffic areas, highly visible covers shall be provided. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-175; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2927)*

675 IAC 22-2.2-176 Section 2504.4.1; internal combustion power source, general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 176. Add the following to section 2504.4.1: The equipment shall be properly grounded. An enclosed area in which an internal combustion engine is operated shall be ventilated. Exhaust fumes from the engine shall be discharged outside the area. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-176; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2927)*

675 IAC 22-2.2-177 Section 2504.4.2; fueling

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 177. Delete section 2504.4.2 and substitute the following: Fuel tanks shall be of a capacity to permit uninterrupted operation during normal operating hours. Where it is impossible to provide tanks of proper capacity for a complete day, the ride or device shall be shut down and unloaded or evacuated during the refueling procedure. Under no circumstances shall the fuel supply be replenished with the engines running. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-177; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2927*)

675 IAC 22-2.2-178 Section 2504; outdoor carnivals and fairs

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 178. Add, to section 2504, a subsection to read as follows: 2504.5 Flammable Liquids and Gases. The use of flammable liquids and gases shall comply with the following:

(1) Gasoline and other volatile liquids and flammable gases shall be stored in cool and ventilated places. Dispensing of such liquids shall be from approved safety cans. Smoking and the carrying of lighted cigars, cigarettes, or pipes is prohibited in any area where such liquids or gases are stored or are transferred from one (1) container to another.

(2) Flammable liquids shall be stored in approved safety containers. Bulk storage shall not be permitted in areas accessible to the public. Any bulk storage area shall be inspected by the inspection authority prior to opening the fair or carnival to the public.

(3) Flammable liquid containers shall be kept away from the rides while they are operating.

(4) Flammable liquid containers shall be kept away from the public at all times.

(5) Storage areas for flammable liquids shall be provided with fire protection in accordance with NFPA 10 as adopted in this code and Article 79 of this code.

(6) LP gas containers shall be installed and maintained in accordance with 675 IAC 22, NFPA 58, as adopted by this code.

(*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-178; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2927*)

675 IAC 22-2.2-179 Section 2504; outdoor carnivals and fairs

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 179. Add, to section 2504, a subsection to read as follows: 2504.6 Inspection Required. The servicing fire department shall be contacted not less than seventy-two (72) hours prior to admitting the public. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-179; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2928*)

675 IAC 22-2.2-180 Section 2505.2; displays

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 180. Add the following subsections to section 2505.2:

2505.2.5 Hazard Protection. Fire extinguishers shall be provided to protect the hazard areas in accordance with UFC Standard 10-1.

2505.2.6 Notification. The servicing fire department shall be contacted not less than seventy-two (72) hours prior to admitting the public. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-180; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2928*)

675 IAC 22-2.2-181 Section 2505.2.3.2; quantity limit

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 181. Add the following sentence to section 2505.2.3.2: LP gas tanks shall be removed from the vehicle or shall be purged.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-181; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2928)

675 IAC 22-2.2-182 Section 2505.3; competitions and demonstrations

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 182. Add the following subsections to section 2505.3:

2505.3.5 Exit Protection. The positioning of liquid or gas fueled equipment or vehicles shall be such that exiting from any portion of the building is not adversely affected.

2505.3.6 Hazard Protection. Fire extinguishers shall be provided to protect the hazard areas in accordance with NFPA 10, as adopted by this code.

2505.3.7 Notification. The chief shall be contacted not less than seventy-two (72) hours prior to admitting the public. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-182; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2928)*

675 IAC 22-2.2-183 Section 2506; haunted houses and similar temporary installations

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 183. Add section 2506 to read as follows: Section 2506 Haunted Houses and Similar Temporary Installations.

2506.1 General. This section applies to haunted houses and similar installations set up for temporary use, not exceeding ninety (90) days. Any interior within a structure not designed for this specific use shall comply with the following and all other applicable rules:

(1) In any facility using the maze concept, there shall be no dead end corridors, and there shall be an obvious exit out of the maze for every fifty (50) feet of linear travel. All stairways shall be illuminated at a level of at least one (1) foot-candle.

(2) A group shall consist of twenty (20) individuals or less. Each group shall be accompanied or supervised by a staff person who is eighteen (18) years of age or older. This staff person shall have in his/her possession an operable flashlight and shall be completely familiar with the facility.

(3) There shall be no smoking allowed at any time by anyone inside the building.

(4) All electrical installations shall meet 675 IAC 17, the Indiana Electrical Code.

(5) The fire department shall be contacted prior to the placing of the facility in operation for an inspection and planning of evacuation procedures. A sketch shall be provided to the servicing fire department to accommodate these procedures.

(6) Total number of occupants in the facility at any time shall be limited to the number allowed by the total exits from the installation, as determined by the Building Code, or the code in effect at the time of construction of the building, building system, or alterations.

(7) Fire extinguishers shall be distributed throughout the building so that not more than seventy-five (75) feet need be traversed to each fire extinguisher.

(8) There shall be no open flame devices or temporary heaters used in the building.

(9) Automatic smoke detectors shall be installed in accordance with 675 IAC 13-1, NFPA 72E.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-183; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2928)

675 IAC 22-2.2-184 Section 2602; permits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 184. Delete section 2602 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-184; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2929)*

675 IAC 22-2.2-185 Section 2703; permits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 185. Delete section 2703 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-185;*

filed Mar 31, 1998, 1:50 p.m.: 21 IR 2929)

675 IAC 22-2.2-186 Section 2705; storage and handling

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 186. In section 2705, delete Item 3 and substitute the following: All raw material in excess of that permitted above shall be kept in vented vaults not exceeding fifteen thousand (15,000) cubic foot capacity and with one (1) approved automatic sprinkler head to each one hundred twenty-five (125) cubic feet of total vault space. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-186; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2929)*)

675 IAC 22-2.2-187 Section 2706; fire protection equipment

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 187. Change section 2706 to read as follows: The manufacture or storage of articles of Cellulose Nitrate Plastic (Pyroxylin) shall be located in a building or portion thereof equipped with an approved automatic sprinkler system in accordance with the rules of the commission. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-187; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2929)*)

675 IAC 22-2.2-188 Section 2803; permits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 188. Delete section 2803 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-188; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2929)*)

675 IAC 22-2.2-189 Section 2901.2; permits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 189. Delete section 2901.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-189; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2929)*)

675 IAC 22-2.2-190 Section 2904; repair of fuel tanks

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 190. Add a section to read as follows: 2904. Repair of Fuel Tanks. Prior to repair work on fuel tanks of vehicles that involves flame or heat-producing devices, the tank shall be drained, purged, or inerted. Tanks shall be tested as required by local ordinance.

In lieu of draining the fuel tank outside the building, an approved, portable pump and storage tank shall be permitted to be used.

Fuel drained from vehicle tanks that is not to be disposed of shall be stored in approved safety cans or returned to standard underground storage tanks.

Fuel to be disposed of shall be stored in tanks or drums suitable for such purpose and shall be located outside of the building for removal from the premises. Such containers shall be identified as having flammable contents.

Repair work on compressed and liquefied gas fuel tanks shall be performed only by a qualified cylinder or tank manufacturer as defined in NFPA 58, as adopted by this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-190; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2929)*)

675 IAC 22-2.2-191 Section 2905; housekeeping

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 191. Add a section to read as follows: 2905. Housekeeping. An employee, an officer of the firm, or the owner shall make daily inspections of the garage and shall be responsible for the prompt removal or repair of any hazardous condition, including proper maintenance of equipment and safety devices and the immediate removal of accumulations of combustible materials.

Clear aisle space shall be maintained to permit ready access to, and the use of, firefighting equipment.

Floors shall be kept clean and free of oil and grease. Only approved water solutions or detergents, floor sweeping compounds, and grease absorbents shall be used for cleaning floors.

Approved metal receptacles with self-closing covers shall be provided for the storage or disposal of oil-soaked waste or cloths.

Combustible rubbish shall be placed in covered metal receptacles until removed to a safe place for disposal. Contents of such containers shall be removed daily. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-191; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2929*)

675 IAC 22-2.2-192 Section 3003; permits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 192. Delete section 3003 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-192; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2930*)

675 IAC 22-2.2-193 Section 3004.4.2; access plan

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 193. In section 3004.4.2, delete the words “for approval when required by the chief” and substitute the words “to the inspection authority for review”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-193; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2930*)

675 IAC 22-2.2-194 Section 3006.5; emergency plan

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 194. In section 3006.5, delete the words “chief for review and approval” and substitute the words “inspection authority for review”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-194; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2930*)

675 IAC 22-2.2-195 Section 3008.6; static pile protection

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 195. In section 3008.6, delete the words “chief for review and approval” and substitute the words “inspection authority for review”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-195; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2930*)

675 IAC 22-2.2-196 Section 3008.10; emergency plan

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 196. In section 3008.10, delete the words “chief for review and approval” and substitute the words “inspection authority for review”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-196; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2930*)

675 IAC 22-2.2-197 Section 3203; permits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 197. Delete section 3203 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-197; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2930*)

675 IAC 22-2.2-198 Section 3204; use period

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 198. In section 3204, delete the number "180" and substitute "30". (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-198; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2930*)

675 IAC 22-2.2-199 Section 3211.5; aisles

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 199. In section 3211.5, add a second paragraph to read as follows: A plan indicating the exit ways, aisles, and seating shall be submitted to the servicing fire department, and a copy shall be posted on the premises. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-199; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2930*)

675 IAC 22-2.2-200 Section 3212; maintenance of means of egress

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 200. In section 3212, delete the third paragraph without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-200; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2930*)

675 IAC 22-2.2-201 Section 3215.2; fireworks, open flames, and hot objects

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 201. In section 3215.2, delete the words " , unless otherwise approved". (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-201; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2930*)

675 IAC 22-2.2-202 Section 3216.1; cooking and heating, general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 202. Change section 3216.1 to read as follows: Heating and cooking equipment shall be in accordance with the mechanical code in effect at the time the equipment was installed. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-202; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2930*)

675 IAC 22-2.2-203 Section 3221.3; storage

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 203. In section 3221.3, delete the exception in its entirety. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-203; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2930*)

675 IAC 22-2.2-204 Section 3302; permits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 204. Delete section 3302 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-204; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2931*)

675 IAC 22-2.2-205 Section 3304; storage and handling

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 205. Delete section 3304 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-205; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2931*)

675 IAC 22-2.2-206 Section 3403; permits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 206. Delete section 3403 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-206; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2931*)

675 IAC 22-2.2-207 Section 3409; burning operations

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 207. In section 3409, delete the words “and federal, state or local air quality control regulations”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-207; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2931*)

675 IAC 22-2.2-208 Section 3410.3; mitigation for vehicle fluid leaks

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 208. In section 3410.3, delete the words “in a manner approved by federal, state and local requirements”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-208; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2931*)

675 IAC 22-2.2-209 Section 3503; permits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 209. Change section 3503 to read as follows: For permits to operate a temporary place of assembly as a “regulated place of amusement or entertainment”, see Rule 9 of the General Administrative Rules of the commission (675 IAC 12-9-3). (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-209; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2931*)

675 IAC 22-2.2-210 Section 3504.3; fueled equipment

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 210. In section 3504.3, change the exception to read as follows: EXCEPTION: Liquid or gas-fueled appliances, tools, apparatus, craft, or vehicles are allowed to be displayed within the mall. When on display, batteries shall be disconnected and taped to prevent contact. Fuel tanks shall be emptied and sealed with a nonporous wrap to prevent escape of flammable vapors. Displayed items shall be installed before the regular business hours of the mall and removed after regular business hours. (*Fire Prevention and*

Building Safety Commission; 675 IAC 22-2.2-210; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2931)

675 IAC 22-2.2-211 Section 3504.4; hazardous materials

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 211. Change section 3504.4 to read as follows: Flammable liquids, flammable gases, liquefied flammable gases, or hazardous materials shall not be used, stored, or displayed in a mall. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-211; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2931)*

675 IAC 22-2.2-212 Section 3601.3; permits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 212. Delete section 3601.3 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-212; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2931)*

675 IAC 22-2.2-213 Section 3601.5.1; changes in class

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 213. In section 3601.5.1, delete the words “such change has been approved and a new permit has been issued.” and substitute the words “the system is designed for that class solvent.”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-213; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2931)*

675 IAC 22-2.2-214 Section 3602.2.3; exhaust ventilation systems

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 214. In section 3602.2.3, delete the last sentence. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-214; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2931)*

675 IAC 22-2.2-215 Section 3603.11; drying tumblers and cabinets

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 215. In section 3603.11, delete the words “unless otherwise approved”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-215; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2931)*

675 IAC 22-2.2-216 Article 37; fire safety in race track stables

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 216. Add a *[sic., an]* article to read as follows:

ARTICLE 37 - Fire Safety in Race Track Stables

Section 3701 General.

3701.1 Scope. Racetrack stables shall be in accordance with Article 37.

Section 3702 Definitions.

3702.1 For the purpose of Article 37, certain terms are defined as follows:

ASSIGNED BARN. The barn area where a trainer has been allocated stalls and space for his horses and equipment.

ASSISTANT TRAINER. The person next to the listed trainer of record, and the one who frequently handles the day-to-day

affairs in training a horse or horses.

CONCESSIONAIRES. The holders of a concession, such as the track kitchen, granted by the racetrack management.

HALTER. Piece of equipment that fits around a horse's head, like a bridle, but lacking a bit. It is used in handling horses around the stable. In the event of a fire, horses can be led from stalls by halters.

MECHANICAL HOTWALKER. An electrical device that automatically walks a horse or several horses in a circle with an approximate radius of ten (10) to fifteen (15) feet (three and five-hundredths (3.05) to four and fifty-eight hundredths (4.58) meters).

MIXED OCCUPANCY. A building or stable area where both horses and humans reside.

RACETRACK MANAGEMENT. The persons who control or execute the affairs of the track itself.

TACK. Stable gear; also rider's racing equipment.

TACK ROOM. A storage area for tack and stable equipment.

TRACK SECURITY. Persons employed to protect racetrack property and to ensure the proper passage of licensed personnel; track security may be internal or external.

TRAINER. The person responsible for the care and training of a horse or horses.

3703 Management Responsibilities.

3703.1 All trainers or a designated assistant and all concessionaires or a designated assistant shall serve as liaison between the track security and fire protection supervisors and the employees of the trainers and concessionaires.

3703.2 All trainers or their assistants and all concessionaires or their assistants shall acquaint themselves with and brief their employees as to the following:

- (1) Smoking regulations.
- (2) Location of fire alarm notification system in immediate area of assigned barn.
- (3) Location of all fire extinguishers and extinguishing equipment in assigned barn area.
- (4) Regulations regarding occupancy, use of extension cords for extending electrical circuits, and use of electrical appliances.
- (5) Regulations regarding storage and use of feed, straw, tack, and supplies.
- (6) Track regulations with regard to fire and security, copies of which shall be provided to all trainers or their assistants and concessionaires or their assistants. These regulations shall be used in instructing members of the trainers' and concessionaires' staffs assigned to the barn area.

3703.3 Open Burning. No open burning shall be permitted. Open-flame heating devices shall not be allowed. Unvented portable oil-burning heating appliances are not permitted in stables.

3703.4 Smoking. Smoking shall be prohibited in assigned barns. Approved warning signs shall be posted.

3703.5 Trash Removal. All combustible trash and waste shall be removed from the building daily. Noncombustible trash and waste containers shall be provided for other than stall waste and shall be emptied daily.

3703.6 Hay or Straw Storage. Storage shall not exceed the amount required for one (1) day's use by the horses in the assigned barn. All other hay and straw must be in a separate approved outside storage area. Hay and straw piles shall not exceed twenty (20) bales (rectangular) per pile and shall not exceed seven feet (7) in height. Each pile must be separated by a distance of not less than fifty (50) feet.

Hay and straw shall not be stored in aisle space or in aisles.

3704 Electrical Systems and Appliances.

3704.1 Use of any portable electrical appliance shall be as follows:

- (1) Multiple-outlet adapters shall be prohibited.
- (2) Not more than one (1) continuous extension cord shall be used to connect one (1) appliance to the fixed receptacle, and such cord shall be listed for hard service and properly sized for the intended application.
- (3) Extension cords shall not be used as a substitute for permanent wiring.

3704.2 Extension cords shall not be supported by any metal object such as nails, screws, hooks, or pipes.

3704.3 Plug caps and receptacles used in extension cords shall be heavy duty type equipped with a reliable grounding pole and attached to the cord in a manner to provide strain relief.

3704.4 All electrical appliances used in the stable area shall be listed.

3704.5 Outdoor electrical appliances (e.g., mechanical hotwalkers) served by the barn electrical system shall be installed in accordance with the electrical code.

3704.6 Portable cooking and heating appliances shall not be used in assigned barns.

3704.7 Use of exposed element heating appliances shall be prohibited.

3705 Flammable Liquids. The storage of flammable and combustible liquids, except those used for medicinal purposes, shall be prohibited.

3706 Vehicular Traffic. Vehicles shall not be permitted in assigned barns. Aisles shall be maintained clear of obstruction at all times, and access to fire equipment shall not be blocked.

3707 Animal Evacuation.

3707.1 Every horse shall wear a halter at all times while inside the stable assigned barn.

3707.2 Horses shall be restricted to ground level stalls.

3707.3 An assigned barn escape plan shall be established for every stable building.

3707.3.1 The assigned barn escape plan shall be displayed by each exit from the assigned barn, and a copy shall be given to all stall renters.

3707.3.2 A planned fire drill shall be conducted quarterly for employees only.

3707.3.3 A predetermined location shall be designated for placement of horses when they are evacuated from the assigned barn.

3707.3.4 Each facility shall train all employees in the assigned barn escape plan.

3708 Fire Protection.

3708.1 Where automatic sprinklers are installed, they shall be installed as specified in the Building Code (675 IAC 13) and maintained as specified in Article 10 of this code.

3709 Fire Extinguishers.

3709.1 Fire extinguishers shall be provided in all assigned barns as follows:

1. Fire extinguishers shall have a minimum 2A rating.

2. Fire extinguishers shall be placed so that travel distance shall be not more than seventy-five (75) feet (twenty-two and eighty-six hundredths (22.86) meters) from any point within a building.

3. Fire extinguishers with a Class C rating shall be within twenty (20) feet of the electrical control box.

4. All fire extinguishers shall be in accordance with NFPA 10, as adopted in this code.

5. Additional extinguishers may be installed to provide more protection as specified in NFPA 10, as adopted in this code.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-216; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2932)

675 IAC 22-2.2-217 Section 4501.3; permits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 217. Delete section 4501.3 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-217; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2933)*

675 IAC 22-2.2-218 Section 4502.1; location of spray-finishing operations

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 218. (a) In section 4502.1, second paragraph, delete the words “may be approved, provided they”.

(b) In section 4502.1, second paragraph, delete the words “Article 45. See”.

(c) In section 4502.1, second paragraph, insert the word “shall” before the words “meet the requirements of”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-218; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2933)*

675 IAC 22-2.2-219 Section 4502.2.7; separation

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 219. (a) In section 4502.2.7, delete the comma after the words “(914 mm)” and substitute the word “or”.

(b) In section 4502.2.7, delete the words “, or by a greater distance as required by the chief”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-219; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2933)*

675 IAC 22-2.2-220 Section 4502.5.5; duct material and termination point

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 220. Change section 4502.5.5 to read as follows: Exhaust ducts shall be in accordance with the mechanical code. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-220; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2934)*

675 IAC 22-2.2-221 Section 4502.6.1; limited spraying areas, general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 221. In section 4502.6.1, delete the words “when approved”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-221; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2934)*

675 IAC 22-2.2-221.5 Section 4503; dipping operations

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 221.5. In section 4503.3.3, add an exception to read as follows: EXCEPTION: Bottom drains shall not be required for tanks that are equipped with automatic closing covers in accordance with section 4503.8. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-221.5; filed Dec 2, 2001, 12:30 p.m.: 25 IR 1177)*

675 IAC 22-2.2-222 Section 4602; permits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 222. Delete section 4602 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-222; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2934)*

675 IAC 22-2.2-223 Section 4603.1; use of ethylene, general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 223. In section 4603.1, delete the word “approved” and substitute the words “in accordance with the building code for “H” occupancies”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-223; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2934)*

675 IAC 22-2.2-224 Section 4702; permits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 224. Delete section 4702 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-224; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2934)*

675 IAC 22-2.2-225 Section 4704; notification of fumigation

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 225. (a) In section 4704, delete the words “chief” and substitute the words “servicing fire department”.

(b) In section 4704, delete the words “toxic or”.

(c) In section 4704, delete the exception. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-225; filed Mar*

31, 1998, 1:50 p.m.: 21 IR 2934)

675 IAC 22-2.2-226 Section 4802; permits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 226. Delete section 4802 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-226; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2934*)

675 IAC 22-2.2-227 Section 4901.3; permits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 227. Delete section 4901.3 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-227; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2934*)

675 IAC 22-2.2-228 Section 4901.5.2; prohibited areas

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 228. In section 4901.5.2, delete the words “or in other locations as determined by the chief”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-228; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2934*)

675 IAC 22-2.2-229 Section 5003; permits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 229. Delete section 5003 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-229; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2934*)

675 IAC 22-2.2-230 Section 5101.3; existing buildings and existing fabrication areas

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 230. In section 5101.3, delete the words “Sections 102, 5101.8.2 and 5113.3.2.2 and”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-230; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2934*)

675 IAC 22-2.2-231 Section 5101.5; permits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 231. Delete section 5101.5 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-231; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2934*)

675 IAC 22-2.2-232 Section 5101.8; construction requirements

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 232. Delete the text of section 5101.8 and substitute to read as follows: Construction requirements shall be in accordance with the building code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-232; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2935*)

675 IAC 22-2.2-233 Section 5101.9.1.1; plans and diagrams

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 233. In section 5101.9.1.1, delete the words “in approved locations” and substitute the words “on site”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-233; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2935*)

675 IAC 22-2.2-234 Section 5101.9.1.2; plans updating

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 234. In section 5101.9.1.2, delete the word “major”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-234; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2935*)

675 IAC 22-2.2-235 Section 5101.9.1.3; emergency response team

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 235. (a) In section 5101.9.1.3, delete the word “responsible” and substitute the word “trained”.

(b) In section 5101.9.1.3, delete the last sentence without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-235; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2935*)

675 IAC 22-2.2-236 Section 5101.10.2; manual fire alarm system

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 236. Amend section 5101.10.2 to read as follows: Manual fire alarms shall be installed in accordance with the building code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-236; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2935*)

675 IAC 22-2.2-237 Section 5101.10.3.2.1; service corridors

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 237. In section 5101.10.3.2.1, delete the words “or as otherwise required by the chief”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-237; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2935*)

675 IAC 22-2.2-238 Section 5101.12.2; where required

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 238. In section 5101.12.2, Item 1, delete the last sentence. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-238; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2935*)

675 IAC 22-2.2-239 Section 5103.2.3.2; protection of vessels

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 239. In section 5103.2.3.2, delete the words “in an approved manner” without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-239; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2935*)

675 IAC 22-2.2-240 Section 5201.3.1; permits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 240. Delete section 5201.3.1 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-240; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2935*)

675 IAC 22-2.2-240.1 Section 5201.3.2; plans and specifications

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 240.1. Delete the text of section 5201.3.2 and substitute the following: Plans and specifications shall be submitted in accordance with 675 IAC 12-6. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-240.1; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2935*)

675 IAC 22-2.2-241 Section 5201.5.1; protection of dispensers

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 241. Change section 5201.5.1 to read as follows: Dispensing devices shall be protected against physical damage from vehicles by:

1. guard posts, and
2. concrete islands six (6) inches (one hundred fifty-two and four-tenths (152.4) millimeters) or more in height, or
3. other approved methods.

Dispensing devices shall be securely mounted to the island.

Guard posts shall be:

1. constructed of steel not less than four (4) inches (one hundred one and six-tenths (101.6) millimeters) in diameter and concrete filled,
2. spaced not more than four (4) feet (one thousand two hundred nineteen (1,219) millimeters) on center between posts at the end of the island,
3. set not less than three (3) feet (nine hundred fourteen (914) millimeters) deep in a concrete footing of not less than fifteen (15) inches (three hundred eighty-one (381) millimeters) in diameter, and
4. set with the top of the posts not less than three (3) feet (nine hundred fourteen (914) millimeters) above the island.

(*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-241; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2935*)

675 IAC 22-2.2-241.1 Section 5201.5.3; emergency shutdown devices

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 241.1. Change section 5201.5.3 to read as follows: 5201.5.3 Emergency shutdown devices. Emergency shutdown devices shall be provided for all fuel dispensers. Emergency shut down devices for exterior fuel dispensers shall be located within one hundred (100) feet (thirty thousand four hundred eighty (30,480) mm) of, but not less than twenty (20) feet (six thousand ninety-six (6,096) mm) from dispensers. For interior fuel-dispensing operations, the emergency shutdown devices shall be installed at approved locations. Activation of the emergency shutdown devices shall stop the transfer of fuel to all dispensers. Such devices shall be distinctly labeled as EMERGENCY FUEL SHUTDOWN DEVICE. Signs shall be provided in approved locations. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-241.1; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2936*)

675 IAC 22-2.2-242 Section 5201.6.2; attendants

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 242. In section 5201.6.2, delete the words “and be prepared to use fire extinguishers” and substitute the word “and” before the words “give immediate attention to”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-242; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2936*)

675 IAC 22-2.2-243 Section 5202.3.3; fueling from portable tanks

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 243. In section 5202.3.3, delete the words “when approved”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-243; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2936*)

675 IAC 22-2.2-243.1 Section 5202.3.4; storage tanks at bulk plants

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 243.1. Change section 5202.3.4 to read as follows: 5202.3.4 Storage tanks at bulk plants. Aboveground tanks serving as bulk plant tanks shall not be used for fueling operations. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-243.1; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2936*)

675 IAC 22-2.2-244 Section 5202.3.9; inventory control

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 244. Change section 5202.3.9 to read as follows: Accurate daily inventory records shall be maintained and reconciled on Class I, II, III-A liquid storage tanks for indication of possible leakage from tanks and piping. The records shall be kept at the premises or at a corporate central office and immediately available to the inspection authority upon request and shall include records showing, by product, daily reconciliation between sales, use, receipts, and inventory on hand. If there is more than one (1) system consisting of tanks serving separate pumps or dispensers for a product, the reconciliation shall be ascertained separately for each tank system. A consistent or accidental loss of Class I, II, or III-A liquids shall be immediately reported to the fire department.

EXCEPTION: Above ground storage tanks not accessible to the public shall be reconciled weekly.

(*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-244; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2936*)

675 IAC 22-2.2-245 Section 5202.4.1; aboveground tanks

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 245. In section 5202.4.1, delete the words “. See also Appendix II-F.” and substitute the words “or in accordance with Appendix II-F. Appendix II-F does not apply to retail motor vehicle fuel-dispensing stations.”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-245; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2936*)

675 IAC 22-2.2-245.2 Section 5202.4.4.2; nozzles

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 245.2. Delete number 2 and its exception and change “3.” to “2.”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-245.2; filed Dec 2, 2001, 12:30 p.m.: 25 IR 1177*)

675 IAC 22-2.2-245.5 Section 5202.4.8; special-type dispensers

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 245.5. Add a paragraph at the end of section 5202.4.8 to read as follows: Special-type dispensers as defined in this section do not include credit card or cash accepting dispensers that are provided with a means to issue change or credit. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-245.5; filed Dec 2, 2001, 12:30 p.m.: 25 IR 1177)*

675 IAC 22-2.2-246 Section 5202.5.1; pressure delivery motor vehicle fuel-dispensing stations, general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 246. In section 5202.5.1, delete the exception without substitution and, in the second paragraph, insert the word “only” after the word “Notification”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-246; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2936)*

675 IAC 22-2.2-247 Section 5202.5.2; pits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 247. In section 5202.5.2, in the second paragraph, delete the second sentence without substitution and, in the third paragraph, delete text after the word “vapors”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-247; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2936)*

675 IAC 22-2.2-248 Section 5202.6.3; classified area

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 248. In section 5202.6.3, delete the second paragraph without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-248; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2937)*

675 IAC 22-2.2-249 Section 5202.10.1; motor vehicle fuel-dispensing stations located inside buildings, general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 249. In section 5202.10.1, delete the word “approved” and substitute the words “the building is constructed in accordance with the building code”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-249; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2937)*

675 IAC 22-2.2-250 Section 5202.11.3.5; flexible connections

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 250. In section 5202.11.3.5, delete the word “when approved”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-250; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2937)*

675 IAC 22-2.2-251 Section 5202.11.4.2; location of tanks and pumps

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 251. In section 5202.11.4.2, delete the words “or, when approved, on piers of solid-fill type”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-251; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2937)*

675 IAC 22-2.2-252 Section 5202.11.4.6; liquefied petroleum gas

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 252. In section 5202.11.4.6, delete the words “unless approved”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-252; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2937*)

675 IAC 22-2.2-253 Section 5202.13.2.1; dispensing devices

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 253. In section 5202.13.2.1, delete the words “on request to the chief.” and substitute the words “to the inspection authority.”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-253; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2937*)

675 IAC 22-2.2-254 Section 5202.13.3.2; location

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 254. In section 5202.13.3.2, in the last paragraph, delete the words “the chief is authorized to require” and add the words “shall be provided” at the end of the paragraph. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-254; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2937*)

675 IAC 22-2.2-255 Section 5202.13.3.3; installation

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 255. In section 5202.13.3.3, delete the second paragraph. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-255; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2937*)

675 IAC 22-2.2-256 Section 5202.13.3.12; site control

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 256. In section 5202.13.3.12, in the first paragraph, delete the words “where necessary”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-256; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2937*)

675 IAC 22-2.2-257 Section 5202.13.4; maintenance, tests, and inspection

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 257. Change section 5202.13.4 to read as follows: Vapor-recovery and vapor-processing equipment shall be subject to periodic maintenance, tests, and inspections. Maintenance, tests, and inspections set forth in the listing document, and in accordance with manufacturer's recommendations, shall be the responsibility of the owner or occupant of the premises on which such equipment is located.

Maintenance on a vapor-recovery system or vapor-processing equipment shall be performed by the manufacturer of the affected equipment or qualified person. Written records of maintenance, tests, inspections, and the results and recommendations therefrom shall be maintained on the premises where the equipment is located or at a corporate central office and shall be made immediately available to the inspection authority on request.

Incidents involving leaks, fires, explosions, overheating, or requiring shutting down equipment, other than for routine maintenance or tests, shall be immediately reported to the servicing fire department. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-257; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2937*)

675 IAC 22-2.2-258 Section 5203; liquefied petroleum gas motor vehicle fuel-dispensing stations

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 258. Add the following subsection to section 5203: 5203.8 Fire Protection. A fire extinguisher with a minimum rating of 2-A, 20-B:C shall be provided and located such that it is not more than seventy-five (75) feet (twenty-two thousand eight hundred sixty (22,860) millimeters) from any pump or dispenser. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-258; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2938)*

675 IAC 22-2.2-259 Section 5204.6; private fueling of motor vehicles

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 259. In section 5204.6, after the word “systems,” and before the word “shall”, insert the words “shall not be open to the public and”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-259; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2938)*

675 IAC 22-2.2-260 Section 5204.10.2.2; use-closed transfer system

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 260. In section 5204.10.2.2, delete the words “and approval” from the first and third sentences. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-260; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2938)*

675 IAC 22-2.2-261 Section 5204.10.2.3.1; plans and specifications

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 261. In section 5204.10.2.3.1, delete the words “and approval”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-261; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2938)*

675 IAC 22-2.2-262 Section 5204; compressed natural gas motor vehicle fuel-dispensing stations

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 262. Add the following subsection to section 5204: 5204.11 Fire Protection. A fire extinguisher with a minimum rating of 2-A, 20-B:C shall be provided and located such that it is not more than seventy-five (75) feet (twenty-two thousand eight hundred sixty (22,860) millimeters) from any pump or dispenser. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-262; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2938)*

675 IAC 22-2.2-263 Section 6103; permits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 263. Delete section 6103 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-263; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2938)*

675 IAC 22-2.2-264 Section 6106.3; location

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 264. Delete section 6106.3 and substitute the following: Where permitted. The use of listed portable unvented oil-burning

heating appliances shall be limited to supplemental heating in detached single family residences.

EXCEPTION: Upon approval of the chief, portable unvented oil-burning heating appliances may be permitted in any occupancy during the construction process when such use is necessary for the construction and the use does not represent a hazard to life or property.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-264; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2938)

675 IAC 22-2.2-265 Section 6202; permits and plans

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 265. Delete section 6202 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-265; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2938)*

675 IAC 22-2.2-266 Section 6301; scope

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 266. In section 6301, delete the exception without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-266; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2938)*

675 IAC 22-2.2-267 Section 6304; permits and plans

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 267. Delete section 6304 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-267; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2938)*

675 IAC 22-2.2-268 Section 6306; access

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 268. In section 6306, delete the first sentence and substitute to read as follows: Refrigeration systems shall be easily accessible at all times. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-268; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2939)*

675 IAC 22-2.2-269 Section 6310.1; refrigeration machinery room, when required

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 269. (a) In section 6310.1, Item 3, delete "A1" and substitute "1".

(b) In section 6310.1, Item 4, delete "other than a Group A1" and substitute "a Group 2". *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-269; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2939)*

675 IAC 22-2.2-270 Section 6320.2; periodic testing

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 270. In section 6320.2, delete the words "and as required by the chief". *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-270; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2939)*

675 IAC 22-2.2-271 Section 6320.4; frequency of testing

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 271. In section 6320.4, delete the words “Unless otherwise required by the chief.” (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-271; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2939*)

675 IAC 22-2.2-272 Section 6320.5; personnel qualifications

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 272. In section 6320.5, delete the words “approved persons” and substitute the words “a qualified person”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-272; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2939*)

675 IAC 22-2.2-273 Section 6323; changing of refrigerant type

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 273. In section 6323, delete the words “and approval of” and substitute the words “to”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-273; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2939*)

675 IAC 22-2.2-274 Section 6324; records

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 274. Change section 6324 to read as follows: The person in charge of the premises on which a refrigeration unit or system which utilizes toxic, highly toxic, or flammable refrigerants is installed or maintained shall keep a written record of refrigerant quantities brought onto and removed from the premises. Such records shall be available to the fire department. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-274; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2939*)

675 IAC 22-2.2-275 Section 6403; permits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 275. Delete section 6403 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-275; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2939*)

675 IAC 22-2.2-276 Section 6404.3; occupancy separations

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 276. Delete section 6404.3 and substitute to read as follows: Occupancy separation shall be in accordance with the Indiana Building Code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-276; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2939*)

675 IAC 22-2.2-277 Section 7401.3; permits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 277. Delete section 7401.3 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-277; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2939*)

675 IAC 22-2.2-278 Section 7401.10; service and repair

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 278. In section 7401.10, delete the words “trained personnel in accordance with nationally recognized standards” and substitute the words “a qualified person”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-278; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2939*)

675 IAC 22-2.2-279 Section 7401.12; exposure to fire

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 279. In section 7401.12, delete the words “approved”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-279; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2939*)

675 IAC 22-2.2-280 Section 7401.15; overhead cover

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 280. In section 7401.15, delete all words after the word “sun”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-280; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2940*)

675 IAC 22-2.2-281 Section 7404.2.1.1; general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 281. In section 7404.2.1.1, in the second sentence, delete the words “the permit amount” and substitute the words “504 cubic feet”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-281; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2940*)

675 IAC 22-2.2-282 Section 7501.3; permits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 282. Delete section 7501.3 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-282; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2940*)

675 IAC 22-2.2-283 Section 7501.4.2; nonstandard containers

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 283. Delete section 7501.4.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-283; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2940*)

675 IAC 22-2.2-284 Section 7501.11.2; systems

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 284. In section 7501.11.2, delete the words “in accordance with nationally recognized standards”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-284; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2940*)

675 IAC 22-2.2-285 Section 7501.14; lighting

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 285. In section 7501.14, delete the words “When required by the chief,”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-285; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2940*)

675 IAC 22-2.2-286 Section 7502.3.2.2; drainage

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 286. In section 7502.3.2.2, delete the exception without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-286; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2940*)

675 IAC 22-2.2-287 Section 7503.1.2; cryogenic fluid systems

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 287. In section 7503.1.2, delete the second sentence without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-287; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2940*)

675 IAC 22-2.2-288 Section 7503.1.3.2; design and construction

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 288. In section 7503.1.3.2, delete the word “adequate” without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-288; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2940*)

675 IAC 22-2.2-289 Section 7503.1.3.5; physical protection and support

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 289. In section 7503.1.3.5, delete the word “well” without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-289; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2940*)

675 IAC 22-2.2-290 Section 7502.3.1.3; drainage

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 290. In section 7502.3.1.3, delete the exception without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-290; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2940*)

675 IAC 22-2.2-291 Section 7601.3; permits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 291. Delete section 7601.3 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-291; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2940*)

675 IAC 22-2.2-292 Section 7701.3.1; permits, required

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14-4; IC 36-8-17

Sec. 292. Delete section 7701.3.1 and substitute the following: Permits shall be as required in IC 22-14-4 and 675 IAC 12-9-4. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-292; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2940)*

675 IAC 22-2.2-293 Section 7701.3.2; unsafe material or practice

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 293. In section 7701.3.2, Item 5, delete all text after “DOT”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-293; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2941)*

675 IAC 22-2.2-294 Section 7701.4; bond

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14-4-2; IC 36-8-17

Sec. 294. Delete the text of section 7701.4 and substitute the following: See IC 22-14-4-2. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-294; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2941)*

675 IAC 22-2.2-295 Section 7701.7.1; manufacturing

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14-4; IC 36-8-17

Sec. 295. Delete the text of section 7701.7.1 and substitute the following: The manufacture of explosives shall be prohibited unless such manufacture is in accordance with IC 22-14-4. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-295; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2941)*

675 IAC 22-2.2-296 Section 7701.7.2; limits established by law

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 296. In section 7701.7.2, delete the words “(see sample adoption ordinance, Section 6)”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-296; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2941)*

675 IAC 22-2.2-297 Section 7701.7.3; limits based on location

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 297. Delete section 7701.7.3 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-297; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2941)*

675 IAC 22-2.2-298 Section 7701.8; seizure of explosive materials

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 298. Delete section 7701.8 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-298; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2941)*

675 IAC 22-2.2-299 Section 7702.1.15; yard maintenance

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 299. In section 7702.1.15, delete the last sentence of the first paragraph without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-299; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2941*)

675 IAC 22-2.2-300 Section 7702.2.6; repackaging of damaged containers

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 300. In section 7702.2.6, delete the exception without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-300; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2941*)

675 IAC 22-2.2-301 Section 7702.3.3; location

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 301. (a) In section 7702.3.3, in the first sentence, after the words “located in accordance with”, delete the words “nationally recognized standards. See”.

(b) In section 7702.3.3, in the second sentence, after the words “located in accordance with”, delete the words “nationally recognized standards. See”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-301; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2941*)

675 IAC 22-2.2-302 Section 7702.3.10; indoor magazines

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 302. In section 7702.3.10, delete the words “nationally recognized standards. (See Appendix VI-F.)” and substitute to [sic.] the words “Appendix VI-F.”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-302; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2941*)

675 IAC 22-2.2-303 Section 7703.1.1; hours of operation

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 303. In section 7703.1.1, delete the exception without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-303; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2941*)

675 IAC 22-2.2-304 Section 7703.1.6; utilities notification

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 304. In section 7703.1.6, delete the exception without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-304; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2941*)

675 IAC 22-2.2-305 Section 7703.1.12; disposal of packaging

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 305. In section 7703.1.12, delete the words “an approved manner” and substitute the words “accordance with

manufacturers recommendations or instructions”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-305; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2942*)

675 IAC 22-2.2-306 Section 7703.2.1; public conveyance

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 306. In section 7703.2.1, add a second paragraph to read as follows: Interstate transportation of explosives is not regulated by this code but is covered by the Code of Federal Regulations (CFR) Title 49, Parts 177 and 178 as adopted in IC 8-2-7-43.5 [*IC 8-2-7 was repealed by P.L. 72-1988, SECTION 10, effective March 1, 1990.*]. This section shall apply to vehicles transporting blasting agents not covered by IC 8-2-7-43.5 [*IC 8-2-7 was repealed by P.L. 72-1988, SECTION 10, effective March 1, 1990.*], such as intrastate transport. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-306; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2942*)

675 IAC 22-2.2-307 Section 7703.2.3; authorization

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 307. In section 7703.2.3, delete the words “authorized by the chief or DOT” and substitute the words “in accordance with section 7703.2”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-307; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2942*)

675 IAC 22-2.2-308 Section 7703.2.5; fire extinguisher maintenance and placement

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 308. In section 7703.2.5, delete the words “periodically” and substitute the word “monthly”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-308; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2942*)

675 IAC 22-2.2-309 Section 7703.2.12; transportation routes

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 309. In section 7703.2.12, delete the second sentence without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-309; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2942*)

675 IAC 22-2.2-310 Section 7703.2.15; passengers

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 310. In section 7703.2.15, delete the words “Unless authorized by the chief,”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-310; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2942*)

675 IAC 22-2.2-311 Section 7703.3.1; quantities at terminals

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 311. In section 7703.3.1, delete the words “the chief” and substitute the words “Office of the State Fire Marshal”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-311; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2942*)

675 IAC 22-2.2-312 Section 7703.3.5; terminal requirements

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 312. In section 7703.3.5, delete Item 3. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-312; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2942*)

675 IAC 22-2.2-313 Section 7703.4.2; ammonium nitrate storage

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 313. In section 7703.4.2, delete the words “nationally recognized standards. See”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-313; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2942*)

675 IAC 22-2.2-314 Section 7703.4.3; intraplant operations

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 314. In section 7703.4.3, delete the words “nationally recognized standards. See”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-314; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2942*)

675 IAC 22-2.2-315 Section 7703.5.1; mixing facilities

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 315. In section 7703.5.1, delete words “nationally recognized standards. See”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-315; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2942*)

675 IAC 22-2.2-316 Section 7703.5.6; disposal of oxidizer bags

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 316. In section 7703.5.6, delete the words “a manner approved by the chief” and substitute the words “accordance with manufacturers instructions or recommendations”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-316; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2942*)

675 IAC 22-2.2-317 Section 7704.9.1; disposal site safeguards

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 317. In section 7704.9.1, delete the words “nationally recognized standards. See”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-317; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2943*)

675 IAC 22-2.2-318 Section 7801.1; scope

Authority: IC 22-13-2-2

Affected: IC 22-11-14; IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 318. In section 7801.1, after the words “Article 78”, insert the words “and IC 22-11-14”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-318; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2943*)

675 IAC 22-2.2-319 Section 7801.2.1; general

Authority: IC 22-13-2-2

Affected: IC 22-11-14; IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 319. In section 7801.2.1, after the words “see Article 2”, insert the words “and IC 22-11-14”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-319; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2943*)

675 IAC 22-2.2-320 Section 7801.3.1.1; manufacturing

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 320. Delete section 7801.3.1.1 and substitute the following: 7801.3.1.1 Manufacturing. It is unlawful for any manufacturer, wholesaler, importer, or distributor to sell at wholesale, or offer to sell at wholesale, or ship or cause to be shipped into Indiana, fireworks, novelties, or trick noisemakers unless he has been issued and holds a valid certificate of compliance issued by the State Fire Marshal. A retailer selling fireworks must apply for a fireworks stand retail sales permit from the State Fire Marshal prior to June 1 of each year. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-320; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2943*)

675 IAC 22-2.2-321 Section 7801.3.1.2; displays

Authority: IC 22-13-2-2

Affected: IC 22-11-14-3; IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 321. Delete the text of section 7801.3.1.2, displays, and substitute the following: 7801.3.1.2 Displays. See IC 22-11-14 and IC 22-11-14-3. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-321; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2943*)

675 IAC 22-2.2-322 Section 7801.3.2; pyrotechnic special effects material

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 322. Delete section 7801.3.2, pyrotechnic special effects material, without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-322; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2943*)

675 IAC 22-2.2-323 Section 7802.1; general

Authority: IC 22-13-2-2

Affected: IC 22-11-14; IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 323. In section 7802.1, after the words “Section 7802”, add the words “Indiana Building Code and IC 22-11-14”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-323; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2943*)

675 IAC 22-2.2-324 Section 7802.2; seizure of fireworks

Authority: IC 22-13-2-2

Affected: IC 22-11-14; IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 324. (a) In section 7802.2, delete the word “chief” and substitute the words “Office of the State Fire Marshal”.

(b) In section 7802.2, after the words “Article 78”, insert the words “and IC 22-11-14”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-324; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2943*)

675 IAC 22-2.2-325 Section 7802.3; prohibition

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 325. Delete section 7802.3 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-325; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2943*)

675 IAC 22-2.2-326 Section 7802.4.1; general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 326. In section 7802.4.1, delete all text after the first sentence. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-326; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2943*)

675 IAC 22-2.2-327 Section 7802.4.2; pyrotechnic operator

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 327. Delete section 7802.4.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-327; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2943*)

675 IAC 22-2.2-328 Section 7802.4.3; insurance

Authority: IC 22-13-2-2

Affected: IC 22-11-14-3; IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 328. In section 7802.4.3, delete the title and text and substitute to read as follows: 7802.4.3 The governing body of the municipality shall require a certificate of insurance in accordance with IC 22-11-14-3. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-328; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2944*)

675 IAC 22-2.2-329 Section 7802.4.4.1; site criteria

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 329. In section 7802.4.4.1, delete the exception without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-329; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2944*)

675 IAC 22-2.2-330 Table 7802.3-A; minimum mortar separation distances

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 330. In Table 7802.3-A, delete the words “approved” and substitute the number “980”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-330; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2944*)

675 IAC 22-2.2-331 Section 7802.4.9.2; fire protection

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 331. In section 7802.4.9.2, delete the words “When required by the chief”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-331; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2944*)

675 IAC 22-2.2-332 Section 7803.4.2.2.2; outside of buildings

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 332. In section 7803.4.2.2.2, delete the words “nationally recognized standards. See”. (*Fire Prevention and Building*

Safety Commission; 675 IAC 22-2.2-332; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2944)

675 IAC 22-2.2-333 Section 7803.8.1.1; demonstration and approval

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 333. In section 7803.8.1.1, delete the words “When required by the chief, a” and substitute the words “An approved”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-333; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2944)*

675 IAC 22-2.2-334 Section 7803.8.2; smoke control

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 334. (a) In section 7803.8.2, delete the second paragraph without substitution.

(b) In section 7803.8.2, change the third paragraph to read as follows: Provision shall be made to remove smoke from the building that is generated by pyrotechnic special effects material. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-334; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2944)*

675 IAC 22-2.2-335 Section 7803.8.3; binary explosives

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 335. In section 7803.8.3, delete the second sentence without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-335; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2944)*

675 IAC 22-2.2-336 Section 7901.3; permits and plans

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 336. In section 7901.3, delete the word “permits” and substitute the word “certification”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-336; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2944)*

675 IAC 22-2.2-337 Section 7901.3.1; permits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 337. In section 7901.3.1, delete the title and text and substitute the following: 7901.3.1 Certification. A person who supervises, manages, or directs the installation, testing, retrofitting, removal, or closure of underground storage tanks shall be certified in accordance with 675 IAC 12-12. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-337; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2944)*

675 IAC 22-2.2-338 Section 7901.3.2; plans

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 338. Amend section 7901.3.2 to read as follows: Prior to commencement of construction to store more than six hundred sixty (660) gallons (eighteen thousand nine hundred twenty-five (18,925) liters of liquid outside of buildings in drums or tanks, the owner shall notify the local fire department, in writing, of the proposed storage and that a copy of the plans released under 675 IAC 12-6 are available. The released plans shall indicate the method of storage, quantities to be stored, distances from buildings and property lines, accessways, fire protection facilities, and provisions for spill control, drainage control, and secondary containment. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-338; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2944; filed Dec 2,*

2001, 12:30 p.m.: 25 IR 1177)

675 IAC 22-2.2-339 Section 7901.4.2.1; flammable liquids

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 339. In section 7901.4.2.1, delete the word “chief” and substitute the words “inspection authority”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-339; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2945*)

675 IAC 22-2.2-340 Section 7901.4.3; other applications

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 340. Delete section 7901.4.3 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-340; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2945*)

675 IAC 22-2.2-341 Section 7901.7.1; general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 341. Delete subsection 7901.7.1. General and substitute as follows: Hazardous substances shall not be intentionally released that create a risk of a fire or explosion, into a sewer, storm drain, ditch, drainage canal, lake, river, tidal waterway, upon the ground, sidewalk, street, highway, or into the atmosphere.

EXCEPTIONS: 1. Unless release is not prohibited by local, state, or federal law; or

2. Release is of a material or quantity that is unregulated.

(*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-341; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2945*)

675 IAC 22-2.2-342 Section 7901.7.4; site assessment

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 342. (a) In section 7901.7.4, after the words “tank system if the”, delete the word “chief” and substitute the words “inspection authority”.

(b) In section 7901.7.4, after the words “period established by the”, delete the word “chief” and substitute the words “inspection authority”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-342; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2945*)

675 IAC 22-2.2-343 Section 7901.9.1; labeling and signs, general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 343. Change section 7901.9.1 to read as follows: The inspection authority is authorized to require warning signs for the purpose of identifying hazards of storing or using flammable liquids, when such storage or using would cause a fire or explosion hazard. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-343; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2945*)

675 IAC 22-2.2-344 Section 7901.9.3; location

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 344. In section 7901.9.3, delete the word “chief” and substitute the words “inspection authority”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-344; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2945*)

675 IAC 22-2.2-345 Section 7901.11.10; testing

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 345. In section 7901.11.10, in the second paragraph, delete the word “chief” and substitute the words “inspection authority”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-345; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2945*)

675 IAC 22-2.2-346 Section 7902.1.2; change of tank contents

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 346. In section 7902.1.2, delete the word “chief” and substitute the words “inspection authority”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-346; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2945*)

675 IAC 22-2.2-347 Section 7902.1.3.1; smoking and open flame

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 347. Add to the end of subsection 7902.1.3.1 the following:

EXCEPTIONS: 1. Buildings or structures which are smoke-free environments and are posted as such at all public and employee entrances, and

2. No visible evidence of prohibited smoking exist [*sic., exists*] within the building or structure.

(*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-347; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2945*)

675 IAC 22-2.2-348 Section 7902.1.7.2.3; underground tanks out of service for one year

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 348. Change section 7902.1.7.2.3 to read as follows: With respect to underground tanks installed on or after January 1, 1974, such underground tanks which have been out of service for a period of one (1) year shall be removed from the ground in accordance with section 7902.1.7.4 and the site restored in an approved manner. When the state fire marshal determines the removal of such tanks would adversely affect an existing structure, utility system, or public way, he may allow the tanks to be abandoned in place. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-348; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2945*)

675 IAC 22-2.2-349 Section 7902.1.7.2.5; reinstallation of underground tanks

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 349. In section 7902.1.7.2.5, delete the words “an approved manner” and substitute the words “in accordance with 7902.6.16.2.”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-349; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2946*)

675 IAC 22-2.2-350 Section 7902.1.7.3.3; aboveground tanks out of service for one year

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 350. In section 7902.1.7.3.3, change the exception to read as follows: Tanks located at refineries, bulk plants, terminals, and pharmaceutical manufacturing facilities that are in operation. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-350; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2946*)

675 IAC 22-2.2-351 Section 7902.1.7.4.1; removing tanks, general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 351. (a) In the first line of the exception to Item number 3 of section 7902.1.7.4.1, delete the word “chief” and substitute the words “state fire marshal”.

(b) In the second sentence of the exception to Item number 3 of section 7902.1.7.4.1, delete the word “chief” and substitute the words “state fire marshal”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-351; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2946*)

675 IAC 22-2.2-352 Section 7902.1.8.1.2; use of tank cars and tank vehicles as storage tanks

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 352. Delete the title and text of section 7902.1.8.1.2 and substitute to read as follows: Use of tank cars and tank vehicles as permanent storage tanks. Tank cars and tank vehicles shall not be used as permanent storage tanks. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-352; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2946*)

675 IAC 22-2.2-353 Section 7902.1.8.2.2; use of tank cars and tank vehicles as storage tanks

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 353. Delete the title and text of section 7902.1.8.2.2 and substitute to read as follows: Use of tank cars and tank vehicles as permanent storage tanks. Tank cars and tank vehicles shall not be used as permanent storage tanks. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-353; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2946*)

675 IAC 22-2.2-354 Section 7902.1.8.2.3; pressure limitations for tanks

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 354. In section 7902.1.8.2.3, change Item 5 to read as follows: Fired and unfired pressure vessels shall be designed and constructed in accordance with “evidence of compliance with Indiana Boiler and Pressure Vessel Rules (680 IAC 2). See Article 90, Standards a.3.4 and a.5.1.” (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-354; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2946*)

675 IAC 22-2.2-355 Section 7902.1.8.2.4; locations subject to flooding

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 355. In section 7902.1.8.2.4, delete the words “. See” and substitute the words “in accordance with”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-355; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2946*)

675 IAC 22-2.2-356 Section 7902.1.8.2.5; acceptance testing

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 356. In section 7902.1.8.2.5, delete the words “nationally recognized standards” and substitute the words “ARTICLE 79”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-356; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2946*)

675 IAC 22-2.2-357 Section 7902.1.8.2.6; product compatibility

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 357. Change section 7902.1.8.2.6 to read as follows: Tank construction materials shall be compatible with the liquid to be stored. When needed to determine the extent of danger from fire or explosion, the inspection authority is authorized to require that evidence be submitted to substantiate that the properties of the liquid are compatible with the tank. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-357; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2946)*

675 IAC 22-2.2-358 Section 7902.1.8.2.7; use of combustible materials in tank construction

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 358. (a) Change the first paragraph of section 7902.1.8.2.7 to read as follows: Tanks constructed of combustible materials shall be approved by the inspection authority and limited to:

(b) In section 7902.1.8.2.7, change Number 5 to read as follows: Protected tanks which are in accordance with Appendix II-F. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-358; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2947)*

675 IAC 22-2.2-359 Section 7902.1.8.2.11; existing oil storage reservoirs

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 359. Delete section 7902.1.8.2.11 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-359; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2947)*

675 IAC 22-2.2-360 Section 7902.1.11.2; vent lines

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 360. In section 7902.1.11.2, delete the words “unless approved”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-360; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2947)*

675 IAC 22-2.2-361 Section 7902.1.14.4; fire protection of supports

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 361. (a) In section 7902.1.14.4, delete all text after the words “two hours” in the first paragraph *[sic.]*.

(b) In section 7902.1.14.4, Exception 1, delete the words “UFC Appendix Standard A-II-F-1” and substitute the words “Appendix II-F”.

(c) In section 7902.1.14.4, Exception 3, delete the words “UBC Standard 9-1” and substitute the words “NFPA 13 (675 IAC 13-1-8)”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-361; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2947)*

675 IAC 22-2.2-362 Section 7902.2.2.7; reduction of separation distance to adjacent property

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 362. Delete section 7902.2.2.7 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-362; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2947)*

675 IAC 22-2.2-363 Section 7902.2.4.1; foam fire protection, required systems

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 363. (a) In section 7902.2.4.1, in the first sentence, delete “chief” and insert “inspection authority”.

(b) In section 7902.2.4.1, Item 4, delete “considered by the chief as”.

(c) In section 7902.2.4.1, Item 4, delete “presenting” and substitute “Presents”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-363; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2947; filed May 5, 1999, 5:42 p.m.: 22 IR 2873*)

675 IAC 22-2.2-364 Section 7902.2.6.3.4; reductions in required venting for stable liquids

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 364. In section 7902.2.6.3.4, delete the exception in 3.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-364; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2947*)

675 IAC 22-2.2-365 Section 7902.2.8.1; drainage control and diking, general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 365. In section 7902.2.8.1, delete both exceptions and substitute to read as follows:

EXCEPTION 1. Aboveground tanks are not required to be provided with diking when the tank complies with the requirements of the first paragraph of Section 2, Installation of Tanks, including subsections (a), (b), and (c) of Appendix II-F, and secondary containment systems are monitored for leak detection with an automatic alarm system, visual and/or audible.

EXCEPTION 2. Approved aboveground tanks with a capacity of five hundred (500) gallons or less, utilized solely for the storage of used motor oil, and in compliance with EPA 40 CFR 279.22 and EPA 40 CFR 264.175 are exempt from the requirements of 7902.2.8.1.

EXCEPTION 3. Drainage control and diking is not required for listed tanks constructed with an integral method of secondary containment, and secondary containment systems are monitored for leak detection with an automatic alarm system, visual, and/or audible. Guard posts or other means shall be provided to protect the area where tanks are installed. When guard posts are installed, the posts shall be:

1. constructed of steel not less than four (4) inches (one hundred one and six-tenths (101.6) millimeters) in diameter and concrete filed;
2. spaced not more than four (4) feet (one thousand two hundred nineteen (1,219) millimeters) on center;
3. set not less than three (3) feet (nine hundred fourteen (914) millimeters) deep in a concrete footing of not less than a fifteen (15) inch (three hundred eighty-one (381) millimeters) diameter;
4. set with the top of the posts not less than three (3) feet (nine hundred fourteen (914) millimeters) above ground; and
5. located not less than five (5) feet (one thousand five hundred twenty-four (1,524) millimeters) from the tank.

(*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-365; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2947; filed Dec 2, 2001, 12:30 p.m.: 25 IR 1178*)

675 IAC 22-2.2-365.2 Section 7902.2.8.3.8; equipment, controls, and piping in diked areas

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 365.2. Add an exception to section 7902.2.8.3.8 to read as follows: EXCEPTION: Tanks storing no more than five thousand (5,000) gallons of gasoline, diesel fuel, or kerosene may have pumps and manifolds attached directly to the tank within diked areas. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-365.2; filed Dec 2, 2001, 12:30 p.m.: 25 IR 1178*)

675 IAC 22-2.2-365.5 Section 7902.5.6.2; displacement protection

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 365.5. Delete section 7902.5.6.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-365.5; filed May 5, 1999, 5:42 p.m.: 22 IR 2873*)

675 IAC 22-2.2-366 Section 7902.5.10.2.5; storage plan

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 366. Change section 7902.5.10.2.5 to read as follows: Aisle and storage plans shall be submitted to the fire department. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-366; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2948*)

675 IAC 22-2.2-367 Section 7902.5.11.5.1; fire-extinguishing systems

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 367. (a) In section 7902.5.11.5.1, delete the words “only when approved” from the second paragraph.

(b) In section 7902.5.11.5.1, in the third paragraph, delete the words “when approved”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-367; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2948*)

675 IAC 22-2.2-368 Section 7902.5.12.5.1; fire-extinguishing systems

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 368. (a) In section 7902.5.12.5.1, delete the words “when approved” from the second paragraph.

(b) In section 7902.5.12.5.1, in the third paragraph, delete the words “when approved”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-368; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2948*)

675 IAC 22-2.2-368.1 Section 7902.6.1; general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 368.1. In section 7902.6.1, delete the second sentence without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-368.1; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2948*)

675 IAC 22-2.2-369 Section 7902.6.7; location subject to flooding

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 369. In section 7902.6.7, delete the word “. See” and substitute the words “in accordance with”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-369; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2948*)

675 IAC 22-2.2-369.5 Section 7902.6.5.3; overfill prevention system

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 369.5. Change the text of number 3 to read as follows: Restrict flow thirty (30) minutes prior to overfilling, and alert the transfer operator with a high level alarm one (1) minute before overfilling or automatically shut off flow into the tank so that none of the fittings located on top of the tank are exposed to product due to overfilling. (*Fire Prevention and Building Safety Commission;*

675 IAC 22-2.2-369.5; filed Dec 2, 2001, 12:30 p.m.: 25 IR 1178)

675 IAC 22-2.2-370 Section 7902.6.10; tank lining

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 370. In section 7902.6.10, delete the third paragraph without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-370; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2948*)

675 IAC 22-2.2-371 Section 7902.6.11; secondary containment

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 371. Delete section 7902.6.11 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-371; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2948*)

675 IAC 22-2.2-372 Section 7902.6.13; leak detection installation and maintenance

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 372. Add, to section 7902.6.13, the following: Test results shall be made available to the inspection authority upon request. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-372; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2948*)

675 IAC 22-2.2-373 Section 7902.6.15; corrosion protection

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 373. (a) In section 7902.6.15.1, General, delete the exception without substitution.

(b) Change section 7902.6.15.4 to read as follows: All underground steel tanks and piping shall be tested for proper operation by a qualified cathodic protection tester in accordance with the following requirements:

1. Frequency. All cathodic protection systems must be tested at installation and every three (3) years thereafter.

2. Inspection Criteria. The criteria that are used to determine that cathodic protection is adequate as required by this section must be in accordance with a code of practice developed by a nationally recognized authority.

For the purpose of this section, a qualified cathodic protection tester is a person who successfully completed instruction related to cathodic protection. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-373; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2948; filed Dec 2, 2001, 12:30 p.m.: 25 IR 1178*)

675 IAC 22-2.2-374 Section 7902.6.16.1; testing of underground tanks, general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 374. In section 7902.6.16.1, delete the words “in the presence of the chief” and substitute the words “and a tank tightness test report shall be forwarded to the local inspection authority within forty-eight (48) hours”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-374; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2948*)

675 IAC 22-2.2-375 Section 7902.16.3; existing tanks and piping

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 375. In section 7902.16.3, delete each occurrence of the word “chief” and substitute the words “office of the state fire marshal”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-375; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2948*)

675 IAC 22-2.2-376 Table 7902.1-A; maximum size of containers and portable tanks

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 376. (a) In Table 7902.1-A, add the following to line 7 titled "Polyethylene", under column heading: Class 1A: 0 gal., Class 1B: 0 gal., Class 1C: 0 gal.

(b) In Table 7902.1-A, delete "Footnote 4" under column headings: "Class 1B" and "Class 1C" without substitution.

(c) In Table 7902.1-A, delete Footnote 4 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-376; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2949*)

675 IAC 22-2.2-377 Section 7903.1.3.5; Class I and II liquids

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 377. (a) In section 7903.1.3.5, Item 4, after the words "Class I-A liquids shall not be dispensed by gravity from tanks", insert the words "greater than three hundred (300) gallons (1135.62 L)".

(b) In section 7903.1.3.5, Item 5, delete the word "approved". (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-377; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2949*)

675 IAC 22-2.2-378 Section 7903.2.1.2; closure of mixing or blending vessels

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 378. In section 7903.2.1.2, delete the word "approved" from the exception. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-378; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2949*)

675 IAC 22-2.2-378.5 Section 7903.2.3.4.4; spill control and secondary containment

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 378.5. Change the first sentence of section 7903.2.3.4.4 to read as follows: Spill control shall be provided in accordance with section 7901.8 when flammable or combustible liquids are dispensed into containers exceeding two (2) gallon (eight (8) liter) capacity or mixed or used in open containers or systems exceeding five and three-tenths (5.3) gallon (twenty (20) liter) capacity. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-378.5; filed May 5, 1999, 5:42 p.m.: 22 IR 2873*)

675 IAC 22-2.2-379 Table 7903.2-B; exemption amounts for use, dispensing, and mixing of flammable and combustible liquids

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 379. In Table 7903.2-B, Footnote 2, delete the words "by the chief". (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-379; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2949*)

675 IAC 22-2.2-380 Section 7903.3.3; location on property

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 380. In section 7903.3.3, delete the words "nationally recognized standards. See UFC Standard 79-7" and substitute the words "Appendix II-F". (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-380; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2949*)

675 IAC 22-2.2-381 Section 7903.4.3; manufacturer's instruction manual

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 381. In section 7903.4.3, delete the word "chief" and substitute the words "inspection authority". (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-381; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2949*)

675 IAC 22-2.2-382 Section 7904.1; special operations, general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 382. In section 7904.1, Item 1, delete the words "farms and". (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-382; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2949*)

675 IAC 22-2.2-383 Section 7904.2; storage and dispensing of flammable and combustible liquids on farms and construction sites

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 383. In section 7904.2, in the heading, delete the words "farms and". (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-383; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2949*)

675 IAC 22-2.2-384 Section 7904.2.1; general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 384. In section 7904.2.1, delete the words "on farms and rural areas and". (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-384; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2949*)

675 IAC 22-2.2-385 Section 7904.2.7; portable fire extinguishers

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 385. In section 7904.2.7, delete the words "when required by the chief". (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-385; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2949*)

675 IAC 22-2.2-386 Section 7904.2.8.1; general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 386. (a) In section 7904.2.8.1, delete the words "when approved,".

(b) Delete Item 1 without substitution.

(c) Change Item 2 to read as follows: Dispensing shall not be conducted more than fifty (50) feet (fifteen thousand two hundred forty (15,240) mm) from the cargo tank vehicle.

(d) In section 7904.2.8.1, at the end of Item 8, delete the word "and".

(e) In section 7904.2.8.1, at the end of Item 9, delete the period and substitute ", and".

(f) Add, to section 7904.2.8.1, an Item 10 to read as follows: 10. A portable fire extinguisher with a minimum rating of 20-B:C shall be mounted on the tank vehicle within reach of the operator. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-386; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2950*)

675 IAC 22-2.2-387 Section 7904.3.7; soundproofing

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 387. In section 7904.3.7, in the exception, delete the words “when approved”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-387; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2950*)

675 IAC 22-2.2-388 Section 7904.4.2.2; means of egress

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 388. In section 7904.4.2.2, delete all text after the word “egress” and substitute the words “in accordance with the Building Code.”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-388; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2950*)

675 IAC 22-2.2-389 Section 7904.4.5; overfill protection of Class 1 liquids

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 389. In section 7904.4.5, delete all text after the word “vessels”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-389; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2950*)

675 IAC 22-2.2-390 Section 7904.4.6.7; mechanical work

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 390. In section 7904.4.6.7, delete the word “chief” and substitute the words “inspection authority”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-390; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2950*)

675 IAC 22-2.2-391 Section 7904.5.2.6; security

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 391. In section 7904.5.2.6, delete the exception without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-391; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2950*)

675 IAC 22-2.2-392 Section 7904.5.3.6; security

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 392. In section 7904.5.3.6, delete the exception without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-392; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2950*)

675 IAC 22-2.2-393 Section 7904.5.4.2.2; marine craft and special equipment

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 393. In section 7904.5.4.2.2, delete the words “when approved and”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-393; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2950*)

675 IAC 22-2.2-394 Section 7904.5.4.2.3; emergency refueling

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 394. In section 7904.5.4.2.3, delete the words “when approved”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-394; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2950*)

675 IAC 22-2.2-395 Section 7904.5.4.2.5; fueling of vehicles at farms, construction sites, and similar areas

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 395. (a) In section 7904.5.4.2.5, delete the word “farms” from the heading.

(b) In section 7904.5.4.2.5, delete the words “on farms and rural areas and” from the first sentence. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-395; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2950*)

675 IAC 22-2.2-396 Section 7904.5.4.3; time limit or unloading

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 396. In section 7904.5.4.3, delete the words “Unless otherwise approved,”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-396; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2950*)

675 IAC 22-2.2-397 Section 7904.5.4.4; unloading inside buildings

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 397. In section 7904.5.4.4, delete the words “, unless approved”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-397; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2951*)

675 IAC 22-2.2-398 Section 7904.6.5.2.1; parking near residential, educational, and institutional occupancies and other high-risk areas

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 398. In section 7904.6.5.2.1, delete the words “, in the opinion of the chief,”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-398; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2951*)

675 IAC 22-2.2-399 Section 7904.6.6; garaging

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 399. (a) In section 7904.6.6, delete the word “approved” and substitute the word “designed”.

(b) In section 7904.6.6, delete the words “by the chief”.

(c) Add, to section 7904.6.6, the words “in accordance with the Building Code”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-399; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2951*)

675 IAC 22-2.2-400 Section 8001.1.2; material classification

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 400. In section 8001.1.2, in the third paragraph, delete the words “an approved” and the word “individual”. (*Fire*

Prevention and Building Safety Commission; 675 IAC 22-2.2-400; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2951)

675 IAC 22-2.2-401 Section 8001.1.3; application

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 401. (a) In section 8001.1.3, change the first sentence in the third paragraph to read as follows: The provisions of Article 80 related to health hazards as classified in section 8002 are waived when the inspection authority has determined that there has been compliance with such provisions by compliance with other codes, statutes, or ordinances.

(b) Add a fourth paragraph to section 8001.1.3 to read as follows: The provisions of Article 80 do not apply to the laboratory use of hazardous chemicals provided a Chemical Hygiene Plan as defined in section 8001.2 of the code has been implemented at the facility. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-401; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2951)*

675 IAC 22-2.2-402 Section 8001.1.4; existing buildings

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 402. Delete section 8001.1.4 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-402; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2951)*

675 IAC 22-2.2-403 Section 8001.2; definitions

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 403. Add the following definitions to section 8001.2 as follows:

CHEMICAL HYGIENE PLAN means a written program developed and implemented at the facility which sets forth procedures, equipment, personal protective equipment, and work practices that are capable of protecting individuals from the health hazards and other hazards presented by hazardous chemicals used at that particular facility.

LABORATORY means a facility where the “laboratory use of hazardous chemicals” occurs. It is a facility where relatively small quantities of hazardous chemicals are used on a nonproduction basis.

LABORATORY SCALE means work with substances in which the containers used for reactions, transfers, and other handling of substances are designed to be easily and safely [*sic., safely*] manipulated by one (1) person. “Laboratory scale” excludes those facilities whose function is to produce commercial quantities of materials.

LABORATORY USE OF HAZARDOUS CHEMICALS means handling or use of such chemicals in which all of the following conditions are met:

- (1) chemical manipulations are carried out on a “laboratory scale”;
- (2) multiple chemical procedures or chemicals are used;
- (3) the procedures involved are not part of a production process; and
- (4) laboratory practices and equipment are available and in common use to minimize the potential for employee exposure to and other risks from hazardous chemicals.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-403; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2951)

675 IAC 22-2.2-404 Section 8001.3.1; general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 404. Delete section 8001.3.1 without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-404; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2952)*

675 IAC 22-2.2-405 Section 8001.3.2; hazardous materials management plan

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 405. Amend section 8001.3.2 to read as follows: Hazardous materials management plan. This section does not apply to facilities regulated under the Emergency Planning and Community Right to Know Act (EPCRA) as set forth at 42 U.S.C. 11001, et seq.

For hazardous materials used, stored, dispensed, or handled in excess of the quantities listed in tables [*sic.*, *table*] 8001.15, an owner or operator of a facility not regulated by the Federal Emergency Planning and Community Right to Know Act shall notify the fire department in writing and shall, when asked, allow the fire department to conduct an on-site health hazard hazardous materials inspection of the facility and provide to the fire department specific location information on those hazardous materials. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-405; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2952*)

675 IAC 22-2.2-406 Section 8001.3.3; hazardous materials inventory statement

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 406. In section 8001.3.3, delete the first sentence and substitute two (2) paragraphs to read as follows: This section does not apply to facilities regulated under the Emergency Planning and Community Right to Know Act (EPCRA) as set forth at 42 U.S.C. 11001, et seq.

For hazardous materials used, stored, dispensed, or handled in excess of the quantities listed in tables [*sic.*, *table*] 8001.15, an owner or operator of a facility not regulated by the Federal Emergency Planning and Community Right to Know Act shall notify the fire department in writing and shall, when asked, allow the fire department to conduct an on-site health hazard hazardous materials inspection of the facility and provide to the fire department specific location information on those hazardous materials. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-406; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2952*)

675 IAC 22-2.2-407 Section 8001.4.7.2; tanks out-of-service for 90 days

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 407. In section 8001.4.7.2, in the second paragraph, delete the words “be tested in a manner approved” and substitute the words “not be defective and shall be compatible with the liquid to be stored”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-407; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2952*)

675 IAC 22-2.2-408 Section 8001.5.1; general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 408. Change section 8001.5.1, General, to read as follows: Hazardous substances shall not be intentionally released that create a risk of a fire or explosion into a sewer, storm drain, ditch, drainage canal, lake, river, tidal waterway, upon the ground, sidewalk, street, highway, or into the atmosphere.

EXCEPTIONS: 1. Unless release is not prohibited by local state or federal law; or

2. Release is of a material or quantity that is unregulated.

(*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-408; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2952*)

675 IAC 22-2.2-409 Section 8001.5.2.1; records

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 409. Change section 8001.5.2.1 to read as follows: Records shall be provided of the unauthorized discharge of hazardous materials by the owner or operator. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-409; filed Mar 31, 1998, 1:50*

p.m.: 21 IR 2952)

675 IAC 22-2.2-410 Section 8001.5.2.2; notification

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 410. Delete section 8001.5.2.2 and substitute to read as follows: Any unplanned sudden or non-sudden release into the environment of a listed hazardous substance that exceeds in any 24-hour period the reportable quantity for that substance, as identified by Table 302.4 of 40 CFR 302 and 40 CFR 355, Appendix A (July 1, 1997), and either causes a fire and/or explosion hazard, such as one that threatens contiguous property or the general public or causes an injury requiring emergency medical treatment, must be immediately reported to the servicing fire department. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-410; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2952)*

675 IAC 22-2.2-411 Section 8001.5.2.5; responsibility for cleanup

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 411. Change the title and text of section 8001.5.2.5 to read as follows: Section 8001.5.2.5 Responsibility for control and mitigation. The person, firm, or corporation responsible for an unplanned sudden or non-sudden release shall institute and complete all actions necessary to remedy the effects of such unplanned release at no cost to the servicing fire department. Control and mitigation may be initiated by the fire department or by an authorized individual or firm. Cost associated with such control or mitigation shall be borne by the owner, operator, or other person responsible for the release. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-411; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2953)*

675 IAC 22-2.2-412 Section 8001.6; material safety data sheets

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 412. Change section 8001.6 to read as follows: Material Safety Data Sheets (MSDS) for applicable hazardous materials shall be kept in a location which is acceptable to both the facility operator and the servicing fire department. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-412; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2953)*

675 IAC 22-2.2-412.5 Section 8001.11.3; protection from vehicles

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 412.5. In section 8001.11.3, item 2, delete the words "between posts". *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-412.5; filed Dec 2, 2001, 12:30 p.m.: 25 IR 1179)*

675 IAC 22-2.2-413 Section 8001.7; identification signs

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 413. Amend section 8001.7 to read as follows: Visible hazard identification signs as specified in UFC Standard 79-3 shall be placed on stationary aboveground tanks and at entrances to locations where hazardous materials are stored, dispensed, used, or handled in quantities in excess of the amounts listed in Table 8001.15.

Individual containers, cartons, or packages shall be conspicuously marked or labeled in accordance with nationally recognized standards.

Rooms or cabinets containing compressed gases shall be conspicuously labeled COMPRESSED GAS.

Signs shall not be obscured or removed.

Signs shall be in English as a primary language or in symbols allowed by this code.

Signs shall be durable. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-413; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2953*)

675 IAC 22-2.2-414 Section 8001.11.9; shelf storage

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 414. Amend section 8001.11.9 to read as follows: Shelf Storage. Shelving shall be of substantial construction, adequately braced, and anchored. For seismic requirements and the seismic zone in which the material is located, see the building code.

Shelf storage of hazardous materials shall be maintained in an orderly manner. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-414; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2953*)

675 IAC 22-2.2-415 Section 8001.12.2; required use of carts and trucks

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 415. (a) In section 8001.12.2, in Exception 1, delete the word “acceptable”.

(b) In section 8001.12.2, Exception 2, delete the word “suitable”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-415; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2953*)

675 IAC 22-2.2-416 Section 8001.13.1; temporarily out-of-service facilities

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 416. In section 8001.13.1, delete the words “maintain a permit and”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-416; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2953*)

675 IAC 22-2.2-417 Section 8001.13.2; permanently out-of-service facilities

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 417. In section 8001.13.2, delete the word “permit” and substitute the words “hazardous materials management plan”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-417; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2953*)

675 IAC 22-2.2-418 Section 8001.13.3; plan

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 418. (a) In section 8001.13.3, delete the words “permit holder or applicant” and substitute the words “owner or operator”.

(b) In section 8001.13.3, delete the last sentence without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-418; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2953*)

675 IAC 22-2.2-419 Section 8001.15.2.4; Group E occupancies

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 419. Add, to section 8001.15.2.4, a subsection to read as follows: 8001.15.2.4.6 Door Labeling. In all educational occupancies, each door to a laboratory room or laboratory storage area, and each cabinet in a laboratory room or laboratory storage area, shall be marked to indicate the highest hazard contained in such laboratory room or laboratory storage area in accordance with NFPA 704, as adopted by this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-419; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2954*)

675 IAC 22-2.2-420 Table 8001.15-B; exempt amounts of hazardous materials presenting a health hazard

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 420. (a) In Table 8001.15-B, in row 8, "Toxics" under "Use-Closed Systems", "Gas" column, change to read "8108".

(b) In Table 8001.15-B, Footnote 12, change the second sentence to read as follows: "See Section 8004.2.3.7.1".

(c) In Table 8001.15-B, delete Footnote 8 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-420; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2954*)

675 IAC 22-2.2-421 Section 8001.16.2.2; ignition source control

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 421. Add, to the end of section 8001.16.2.2, the following:

EXCEPTIONS: 1. Buildings or structures which are smoke-free environments and are posted as such at all public and employee entrances, and

2. No visible evidence of prohibited smoking exist [*sic., exists*] within the building or structure.

(*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-421; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2954*)

675 IAC 22-2.2-422 Section 8003.1.2; signs

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 422. After the second paragraph of section 8003.1.2., add to read as follows:

EXCEPTIONS: 1. Buildings or structures which are smoke-free environments and are posted as such at all public and employee entrances, and

2. No visible evidence of prohibited smoking exist [*sic., exists*] within the building or structure.

(*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-422; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2954*)

675 IAC 22-2.2-423 Section 8003.1.4.2; system requirements

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 423. (a) In section 8003.1.4.2, Item 3, delete the words "unless alternate designs are approved".

(b) In section 8003.1.8.2, Item 4, delete the words "or in an approved location". (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-423; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2954*)

675 IAC 22-2.2-424 Section 8003.1.6; fire-extinguishing systems

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 424. In section 8003.1.6, delete the words "U.B.C. Standard 9-1" and substitute the words "NFPA 13 (675 IAC 13-1-8)". (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-424; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2954*)

675 IAC 22-2.2-425 Section 8003.1.11; supervision

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 425. Add an exception to section 8003.1.11 to read as follows: EXCEPTION: A facility that is provided with a watchman service and is provided with an audible fire alarm system that can be heard by the watchman in all areas of the facility. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-425; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2954*)

675 IAC 22-2.2-426 Table 8003.5-A; flammable compressed gases distance from storage to exposures

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 426. In Table 8003.5-A, in the second column heading, delete the words “that can be built on”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-426; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2954*)

675 IAC 22-2.2-427 Table 8003.6-B; Class 4 oxidizers liquids and solids separation of detached and outdoor storage from other buildings, property lines, streets, alleys, public ways, or exits to a public way

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 427. In Table 8003.6-B, delete the words “As determined by the chief” and substitute the words “five hundred (500) plus one hundred (100) for each additional five thousand (5,000) pounds”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-427; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2954*)

675 IAC 22-2.2-428 Table 8003.6-G; oxidizing gases-distance from use to exposures

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 428. In Table 8003.6-G, in the second column heading, delete the words “that can be built on”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-428; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2955*)

675 IAC 22-2.2-429 Table 8003.8-A; pyrophoric gases-distance from storage to exposures

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 429. In Table 8003.8-A, in the third column heading, delete the words “that can be built upon”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-429; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2955*)

675 IAC 22-2.2-430 Section 8003.12.1.3; exhaust scrubber

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 430. In section 8003.12.1.3, delete the last sentence without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-430; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2955*)

675 IAC 22-2.2-431 Section 8003.12.2.3; fire-extinguishing systems

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 431. (a) In section 8003.12.2.3, Item 1, delete the words “U.B.C. Standard 9-1” and substitute the words “NFPA 13 (675 IAC 13-1-8)”.

(b) In section 8003.12.2.3, Item 2, delete the words “U.B.C. Standard 9-1” and substitute the words “NFPA 13 (675 IAC 13-1-8)”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-431; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2955*)

675 IAC 22-2.2-432 Section 8003.13; radioactive materials

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 432. (a) Add the following sentence to section 8003.13: Compliance with a license issued by the Nuclear Regulatory

Commission constitutes compliance with section 8003.13.

(b) In section 8003.13.2.3, Item 1, delete the words “U.B.C. Standard 9-1” and substitute the words “NFPA 13 (675 IAC 13-1-8)”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-432; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2955*)

675 IAC 22-2.2-433 Section 8004.1.10; fire-extinguishing systems

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 433. In section 8004.1.10, delete the words “U.B.C. Standard 9-1” and substitute the words “NFPA 13 (675 IAC 13-1-8)”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-433; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2955*)

675 IAC 22-2.2-434 Section 8004.1.15; liquid transfer

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 434. In section 8004.1.15, Item 5, delete the word “approved” and add, to the end of the sentence, the words “listed for that use”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-434; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2955*)

675 IAC 22-2.2-435 Section 8004.2.2.3; fire-extinguishing system

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 435. Delete section 8004.2.2.3 in its entirety. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-435; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2955*)

675 IAC 22-2.2-436 Section 8004.2.2.5.1; spill control for hazardous materials

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 436. Amend section 8004.2.2.5.1 to read as follows: Buildings, rooms, or areas where hazardous materials liquids are dispensed into vessels exceeding two (2) gallon (eight (8) L) capacity or used in open systems exceeding a five and three-tenths (5.3) gallon (twenty (20) L) capacity shall be provided with spill control in accordance with section 8003.1.3.2. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-436; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2955*)

675 IAC 22-2.2-437 Section 8004.2.3.2; closed systems, use

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 437. (a) In section 8004.2.3.2, delete the word “suitable” and substitute the word “designed”.

(b) In section 8004.2.3.2, delete the words “designed by persons competent in such design” and substitute the words “compatible with the material being used”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-437; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2955*)

675 IAC 22-2.2-437.5 Section 8004.2.3.4; fire-extinguishing system

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 437.5. In section 8004.2.3.4, delete “fume hoods and”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-437.5; filed May 5, 1999, 5:42 p.m.: 22 IR 2873*)

675 IAC 22-2.2-437.7 Section 8004.3.4.1.1; spill control for hazardous materials liquids

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 437.7. Amend section 8004.3.4.1.1 to read as follows: Outdoor areas where hazardous materials liquids are dispensed in vessels exceeding two (2) gallon (eight (8) liter) capacity or used in open systems exceeding five and three-tenths (5.3) gallon (twenty (20) liter) capacity shall be provided with spill control in accordance with section 8003.1.3.2. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-437.7; filed May 5, 1999, 5:42 p.m.: 22 IR 2873*)

675 IAC 22-2.2-438 Section 8101.3; permits and plan submittal

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 438. In section 8101.3, in the title, delete the words "Permits and". (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-438; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2956*)

675 IAC 22-2.2-439 Section 8101.3.1; permits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 439. Delete section 8101.3.1 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-439; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2956*)

675 IAC 22-2.2-440 Section 8101.3.2; plans and specifications submittal

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 440. (a) In section 8101.3.2, delete the words "at the time of permit application,".

(b) In section 8101.3.2, delete the words "and approval" and substitute the words "to the fire department having jurisdiction".

(c) In section 8101.3.2, delete the words "Following approval of the plans,".

(d) In section 8101.3.2, delete the word "approved" in the second sentence.

(e) In section 8101.3.2, delete the words "in an approved location" in the second sentence.

(f) In section 8101.3.2, Item 14, delete the words "at the time of permit, when required by the chief" and substitute the words "as requested by the inspection authority". (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-440; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2956*)

675 IAC 22-2.2-441 Section 8101.3.3; evacuation plan

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 441. Delete section 8101.3.3 and substitute to read as follows: An evacuation plan for public accessible areas and a separate set of plans indicating location and width of aisles, location of exits and exit signs, height of storage, and locations of hazardous materials shall be submitted to the fire department having jurisdiction for review. Following review of the plans, a copy of the plans shall be maintained on the premises in an approved location. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-441; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2956*)

675 IAC 22-2.2-442 Section 8102.1; general fire protection and life safety features, general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 442. In section 8102.1, delete the second sentence in its entirety. (*Fire Prevention and Building Safety Commission; 675*

IAC 22-2.2-442; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2956)

675 IAC 22-2.2-443 Section 8102.6.1; access roadways

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 443. In section 8102.6.1, delete the exception without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-443; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2956)*)

675 IAC 22-2.2-443.5 Section 8102.6.2.2; number of doors required

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 443.5. Add an exception to section 8102.6.2.2 to read as follows: When an ESFR sprinkler system is installed throughout the high piled storage area, access doors shall be provided in each two hundred (200) lineal feet, or major fraction thereof, of the exterior walls which face required access roadways. Spacing between doors shall not exceed two hundred (200) lineal feet throughout the high piled storage area. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-443.5; filed Dec 2, 2001, 12:30 p.m.: 25 IR 1179)*)

675 IAC 22-2.2-444 Section 8102.7.1; smoke and heat removal, general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 444. (a) In section 8102.7.1, delete Exception 1 and substitute to read as follows: 1. When a building is protected by an automatic sprinkler system, a mechanical smoke removal system may be installed.

(b) Add a new paragraph at the end of the exceptions to read as follows: A fire department control panel for the engineered mechanical smoke removal system shall be located such that it is readily accessible to and usable by the servicing fire department. Prior to the design or installation of said panel, the servicing fire department shall be consulted on the location of the panel or the location shall be as required by local ordinance. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-444; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2956)*)

675 IAC 22-2.2-445 Section 8102.9.1; small hose stations

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 445. In section 8102.9.1, delete the second sentence without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-445; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2956)*)

675 IAC 22-2.2-446 Section 8102.10.1; aisles, general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 446. In the exception to section 8102.10.1, delete the words “are allowed when approved” and substitute the words “shall be provided”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-446; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2956)*)

675 IAC 22-2.2-447 Section 8104.5.1; required approvals

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 447. (a) In section 8104.5.1, delete the words “Approval of the chief” and substitute the words “The servicing fire department”.

(b) In section 8104.5.1, delete the word “obtained” and substitute the word “notified”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-447; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2957*)

675 IAC 22-2.2-448 Section 8104.5.2; fire protection

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 448. In section 8104.5.2, delete the second sentence without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-448; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2957*)

675 IAC 22-2.2-449 Table 81-A; general fire protection and life safety requirements

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 449. (a) In Table 81-A, Footnote 4, delete the words “when required by the chief”.

(b) In Table 81-A, Footnote 8, delete the words “when required by the chief”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-449; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2957*)

675 IAC 22-2.2-450 Section 8202; permits, plans, and records

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 450. In section 8202, in the heading, delete the words “Permits, and Records”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-450; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2957*)

675 IAC 22-2.2-451 Section 8202.1; permits and plans

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 451. (a) In section 8202.1, in the section heading, delete “Permits and”.

(b) In section 8202.1, delete the first and second paragraphs.

(c) In section 8202.1, at the end of the third paragraph, add the words “in accordance with 675 IAC 12”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-451; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2957*)

675 IAC 22-2.2-452 Section 8202.2; records

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 452. Delete section 8202.2 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-452; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2957*)

675 IAC 22-2.2-453 Section 8203.2.1; portable containers

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 453. In section 8203.2.1, insert the words “LP-gas” after the word “portable”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-453; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2957*)

675 IAC 22-2.2-454 Section 8203.2.1.1; general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 454. In section 8203.2.1.1, at the end of the section, add the words “and this code” before the period. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-454; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2957*)

675 IAC 22-2.2-455 Section 8203.2.1.3; construction and temporary heating

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 455. In section 8203.2.1.3, after the word “portable”, add the words “LP-gas”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-455; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2957*)

675 IAC 22-2.2-456 Section 8203.2.1.5; educational and institutional uses

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 456. In section 8203.2.1.5, add the words “[normally five (5) pound (two (2) kilogram) LP gas capacity]” after the words “twelve (12) pound (five and four-tenths (5.4) kilogram) water capacity”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-456; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2957*)

675 IAC 22-2.2-457 Section 8203.2.1.6; demonstration uses

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 457. In section 8203.2.1.6, add the words “[normally five (5) pound (two (2) kilogram) LP gas capacity]” after the words “twelve (12) pound (five and four-tenths (5.4) kilogram) water capacity”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-457; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2957*)

675 IAC 22-2.2-458 Section 8204.1; location of containers, general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 458. In section 8204.1, delete the words “and subject to the approval of the chief,” without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-458; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2958*)

675 IAC 22-2.2-459 Section 8204.2; maximum capacity within established limits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 459. In section 8204.2, delete the words “(see sample adoption ordinance, Section 5)”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-459; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2958*)

675 IAC 22-2.2-460 Section 8204.3; container location

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 460. In section 8204.3, delete the words “, Section 3-2.2.6.”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-460; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2958*)

675 IAC 22-2.2-461 Section 8204.4; multiple container installation

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 461. In section 8204.4, Item 4, delete the words “, Table 3-2.2.4”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-461; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2958*)

675 IAC 22-2.2-462 Section 8205.2; release to the atmosphere

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 462. In section 8205.2, delete the words “through an approved liquid-level gauge or other approved device” and substitute the words “as provided for in section 14 of this code”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-462; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2958*)

675 IAC 22-2.2-463 Section 8210; protecting containers from vehicles

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 463. (a) In section 8210, at the end of the sentence, add the words “as required in Section 8001.11.3” before the period.

(b) In section 8210, delete the word “suitably”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-463; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2958*)

675 IAC 22-2.2-464 Section 8212.12; location of storage outside of buildings

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 464. Add, to the end of section 8212.12, the words “and at least five (5) feet (one and five-tenths (1.5) meters) from any doorway in a building frequented by the public” before the period. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-464; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2958*)

675 IAC 22-2.2-465 Section 8212.13; protection of containers

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 465. Add, to the end of section 8212.13, the words “in accordance with section 14 of this code” before the period. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-465; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2958*)

675 IAC 22-2.2-466 Section 8212.14; alternate location and protection of storage

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 466. (a) In section 8212.14, delete the word “required” and substitute the word “designated”.

(b) In section 8212.14, at the end of the sentence, add the words “within twenty-four (24) hours of request” before the period. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-466; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2958*)

675 IAC 22-2.2-467 Section 8213.2; permanently out of service

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 467. Delete section 8213.2 and substitute to read as follows: Containers to be placed out of service shall be removed from the site. Containers that are removed from service and do not meet the requalification requirements of U.F.C. Standard 82-1 shall have both ends of the tanks removed. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-467; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2958*)

675 IAC 22-2.2-468 Section 8214.1; general

Authority: IC 22-13-2-2
 Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 468. In section 8214.1, delete the exception without substitution. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-468; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2958)*

675 IAC 22-2.2-469 Section 8214.2.1; near residential, educational, and institutional occupancies and other high-risk areas

Authority: IC 22-13-2-2
 Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 469. In section 8214.2.1, delete the words “, in the opinion of the chief.”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-469; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2959)*

675 IAC 22-2.2-470 Table 8212-A; location of containers awaiting use

Authority: IC 22-13-2-2
 Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 470. Change Table 8212-A to read as follows:

QUANTITY OF LP GAS STORED	DISTANCE TO NEAREST BUILDING, PROPERTY LINE	DISTANCE TO DISPENSERS
x 0.45 for kg 720 lb. or less	x 304.8 for mm 0	5 ft.
721 to 2,500 lb.	10 ft.	10 ft.
2,501 to 6,000 lb.	10 ft.	10 ft.
6,001 to 10,000 lb.	20 ft.	20 ft.
over 10,000 lb.	25 ft.	25 ft.

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-470; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2959)

675 IAC 22-2.2-471 Section 8503.1; during construction

Authority: IC 22-13-2-2
 Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 471. In section 8503.1, add the words “in accordance with the Electrical Code” after the word “activities” and before the “.”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-471; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2959)*

675 IAC 22-2.2-472 Section 8503.3; attachment to structures

Authority: IC 22-13-2-2
 Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 472. In section 8503.3, delete the words “an approved manner” and substitute the words “accordance with the Electrical Code”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-472; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2959)*

675 IAC 22-2.2-473 Section 8506.2.3; power supply

Authority: IC 22-13-2-2
 Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 473. In section 8506.2.3, delete the words “, powertap or multiplug adapter”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-473; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2959)*

675 IAC 22-2.2-474 Section 8509.3; labeling

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 474. (a) In section 8509.3, delete the words “or similar approved wording”.

(b) In section 8509.3, delete the words “unless such purpose is clearly evident”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-474; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2959*)

675 IAC 22-2.2-475 Section 8702; permits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 475. Delete section 8702 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-475; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2959*)

675 IAC 22-2.2-476 Section 8704.2; access roads

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 476. In section 8704.2, in the exception, delete the words “When approved” and substitute the words “after consultation with the fire chief”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-476; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2959*)

675 IAC 22-2.2-477 Section 8704.4.2; fire extinguishers

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 477. (a) In section 8704.4.2, in the first sentence, delete the words “when required by the chief” and substitute the words “in accordance with section 3 of this code”.

(b) In section 8704.4.2, in the second sentence, delete the words “the chief” and substitute the words “section 3 of this code”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-477; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2959*)

675 IAC 22-2.2-478 Section 8704.4.4; fire protection

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 478. Add a new section 8704.4.4 to read as follows: 8704.4.4 Fire protection systems. All fire sprinkler systems and fire-extinguishing systems shall be operational prior to the area being occupied or used. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-478; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2959*)

675 IAC 22-2.2-479 Section 8704.7; heating devices

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 479. Delete the word “competent” and substitute “qualified”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-479; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2960*)

675 IAC 22-2.2-480 Section 8704.8; smoking

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 480. (a) In section 8704.8, delete the words “, except in those areas approved. When required by the chief”.

(b) In section 8704.8, add a “.” after the word “prohibitive” and capitalize “a” before the word “suitable”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-480; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2960*)

675 IAC 22-2.2-481 Section 8704.15; building access

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 481. In section 8704.15, delete the words “When required by the chief,”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-481; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2960*)

675 IAC 22-2.2-482 Section 8704.16; emergency telephone

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 482. In section 8704.16, delete the words “When required by the chief,”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-482; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2960*)

675 IAC 22-2.2-483 Section 8705; alterations of buildings

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 483. In section 8705, change the title of the section to read as follows: Alterations and Remodeling of Buildings; Additions to Buildings. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-483; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2960*)

675 IAC 22-2.2-484 Section 8706.5; burning of combustible waste

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 484. In section 8706.5, delete the words “, unless approved”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-484; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2960*)

675 IAC 22-2.2-485 Section 8801.3; permits

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 485. Delete section 8801.3 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-485; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2960*)

675 IAC 22-2.2-486 Section 8803.2.2; storage

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 486. In section 8803.2.2, in the exception, delete the words “When approved”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-486; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2960*)

675 IAC 22-2.2-487 Section 8901.1; purpose, scope

Authority: IC 22-13-2-2

Affected: IC 12-17.2-6; IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 487. Add a new section 8901.1 to read as follows: (a) Purpose. The purpose of this chapter is to establish rules to govern

fire inspections of child care ministries.

(b) Scope. Any child care ministry registered under IC 12-17.2-6 or IC 12-17.5-6 [*IC 12-17.5-6 was repealed by P.L. 1-1994, SECTION 66, effective May 4, 1993.*] (or successor statute) shall comply with the provisions of this article. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-487; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2960*)

675 IAC 22-2.2-488 Section 8902.1; definitions

Authority: IC 12-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 488. Add a new section 8902.1 to read as follows: Add the following definition: PRIMARY USE OF THE BUILDING means the occupancy classification that is most closely related to the intended use of the building. The occupancy classification shall be determined by the rules of the commission in effect at the time that the child care ministry is first registered. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-488; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2960*)

675 IAC 22-2.2-489 Section 8903.1; fire safety requirements

Authority: IC 12-13-2-2

Affected: IC 12-17.2-6-5; IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 489. Add a new section 8903.1 to read as follows: (a) Each registered child care ministry shall comply with all rules of the commission applicable to the primary use of the building except for fire alarm systems and smoke detectors as set forth at IC 12-17.2-6-5.

(b) Each registered child care ministry shall comply with the requirements of Article 13 of the Indiana Fire Prevention Code (675 IAC 22-2.2) concerning fire drills. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-489; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2960*)

675 IAC 22-2.2-490 Section 9001.3; recognized standards

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

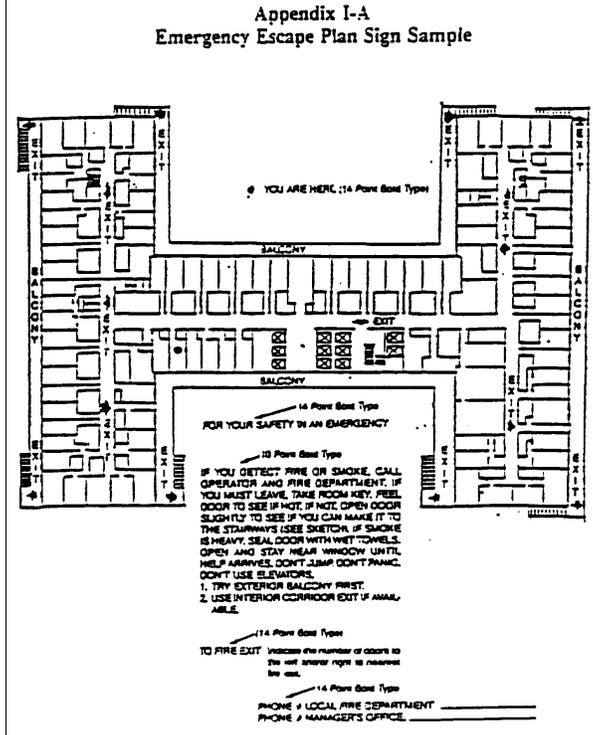
Sec. 490. In section 9001.3, add a second sentence to read as follows: Failure to comply with the standards listed in section 9003 shall not constitute a violation of section 9001.2. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-490; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2961*)

675 IAC 22-2.2-491 Appendix I-A; life safety requirements for existing buildings other than high-rise buildings

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 491. Appendix I-A is adopted as follows: In Appendix I-A, delete the heading and text of Appendix I-A and substitute to read as follows:



(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-491; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2961)

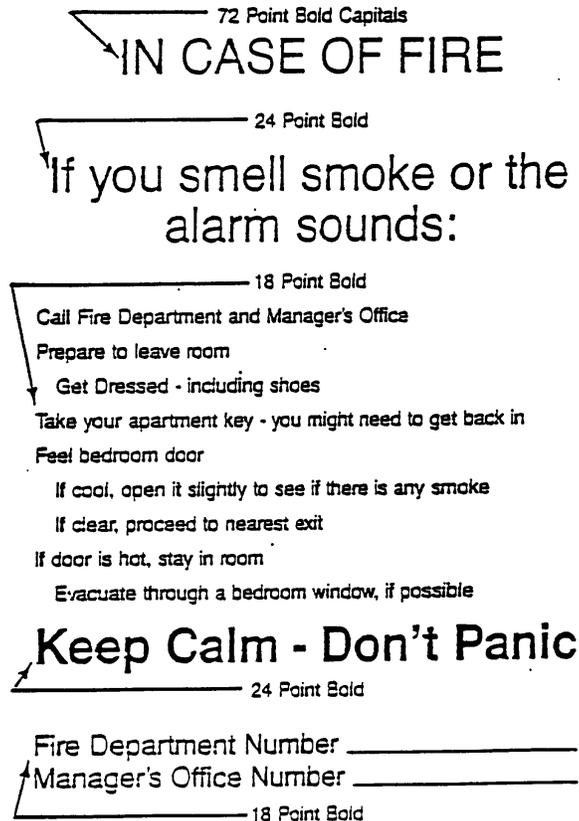
675 IAC 22-2.2-492 Appendix I-B; life safety requirements for existing high-rise buildings

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 492. Appendix I-B is adopted as follows: In Appendix I-B, delete the heading and text and substitute to read as follows:

**Appendix I-B
Emergency Information Sign Samples**



(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-492; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2961)

675 IAC 22-2.2-493 Appendix I-C; stairway identification

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 493. Appendix I-C is adopted, except as amended as follows: In Appendix I-C, section 3.6, delete the words “in an approved manner” and substitute the words “legible at all times”. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-493; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2961)*

675 IAC 22-2.2-494 Appendix II-A; suppression and control of hazardous fire areas

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 494. Appendix II-A is not adopted. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-494; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2961)*

675 IAC 22-2.2-495 Appendix II-B; protection of flammable and combustible liquid tanks in locations subject to flooding

Authority: IC 22-13-2-2
Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 495. Appendix II-B is adopted, except as amended as follows: (a) In Appendix II-B, section 4.4, delete the word “periodically” and substitute the word “quarterly”.

(b) In Appendix II-B, section 4.4, delete the word “satisfactory”.

(c) In Appendix II-B, section 4.4, at the end, add a sentence to read as follows: Test reports and records shall be retained on the premises and made available to the inspection authority upon request.

(d) In Appendix II-B, section 7, delete the word “Periodic” at beginning of the first sentence.

(e) In Appendix II-B, section 7, in the first sentence, delete the word “shall” and substitute the word “may”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-495; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2962*)

675 IAC 22-2.2-496 Appendix II-C; marinas

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 496. Appendix II-C is adopted, except as amended as follows: (a) In Appendix II-C, section 2, delete the word “approved” and substitute the words “submitted to the office of the state building commissioner as required by 675 IAC 12-6”.

(b) In Appendix II-C, section 5.2, delete the words “shall be approved” and substitute the words “shall not be used”.

(c) In Appendix II-C, section 6.2.3, add a sentence to read as follows: Fire department connection threads shall match the servicing fire department equipment.

(d) In Appendix II-C, section 6.3, delete the words “when required by the chief”.

(e) In Appendix II-C, section 6.4, delete the word “required”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-496; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2962*)

675 IAC 22-2.2-497 Appendix II-D; rifle ranges

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 497. Appendix II-D is not adopted. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-497; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2962*)

675 IAC 22-2.2-498 Appendix II-E; hazardous materials management plans and hazardous materials inventory statements

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 498. (a) In Appendix II-E, section 1, add a first sentence to read as follows: Appendix II-E does not apply to facilities regulated under the Emergency Planning and Community Right to Know Act (EPCRA) as set forth at 42 U.S.C. 11001, et seq.

(b) In Appendix II-E, section 1, delete the words “which are required by the chief”.

(c) In Appendix II-E, section 1, Exception 1, delete the words “, when approved”.

(d) Change Appendix II-E, section 3.1, to read as follows: “A hazardous materials management plan standard form or short form shall be provided to the local fire department” in front of “in accordance with Section 3”.

(e) In Appendix II-E, section 3.2.2, delete the words “When required by the chief”.

(f) Delete Appendix II-E, section 3.2.7, without substitution.

(g) In Appendix II-E, section 4, delete the words “by the permitter”.

(h) In Appendix II-E, section 4, delete the word “chief” and substitute the words “inspection authority”.

(i) In Figure A-II-E-1, delete Section V - Record Keeping without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-498; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2962*)

675 IAC 22-2.2-499 Appendix II-F; protected aboveground tanks for motor vehicle fuel-dispensing stations outside buildings

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 499. Delete the title and text of Appendix II-F and substitute to read as follows:

APPENDIX II-F

ABOVEGROUND STORAGE TANKS FOR MOTOR VEHICLE FUEL-DISPENSING STATIONS

1. SCOPE

Storage and dispensing of motor fuels into the fuel tanks of motor vehicles from aboveground tanks which are located outside of buildings shall be in accordance with this Appendix.

EXCEPTIONS: 1. Aboveground storage tanks for motor vehicle fuel-dispensing stations legally installed according to the code in effect at the time of installation and in operation prior to September 7, 1992.

2. Single tank installations where the fuel tank has a capacity of one thousand one hundred (1,100) gallons or less that are in compliance with Article 79 of this code.

3. Diesel tanks and dispensing operations when all the following criteria are met:

A. The distance in feet from any property line when not adjacent to a public way shall be double the distance specified in Table 7902.2F.

B. The distance in feet from a property line adjacent to a public way, to include the opposite sides of a public way, shall be double the distance specified in Table 7902.2F.

C. The distance in feet from adjacent structures shall be double the distance specified in Table 7902.2F.

D. In compliance with Article 79 of this code.

E. The diesel tank shall be double the distance specified in Table 7902.2F for the property line including the opposite side of the public way from any non-diesel fuel tank or dispensing operation.

2. INSTALLATION OF TANKS

Tanks shall be installed in accordance with Article 79 and shall be installed in special enclosures constructed in accordance with Section 5202.3.6 or in listed and approved tank enclosures or materials providing fire protection of not less than two (2) hours. The following additional criteria shall apply:

(a) Guard posts or other means shall be provided to protect the area where tanks are installed. When guard posts are installed, the posts shall be:

1. constructed of steel not less than four (4) inches (one hundred one and six-tenths (101.6) millimeters) in diameter and concrete filled;

2. spaced not more than four (4) feet (one thousand two hundred nineteen (1,219) millimeters) on center;

3. set not less than three (3) feet (nine hundred fourteen (914) millimeters) deep in a concrete footing of not less than a fifteen (15) inch (three hundred eighty-one (381) millimeters) diameter;

4. set with the top of the posts not less than three (3) feet (nine hundred fourteen (914) millimeters) above ground; and

5. located not less than five (5) feet (one thousand five hundred twenty-four (1,524) millimeters) from the tank.

(b) Each tank and each special enclosure shall be surrounded by a clear space of not less than three (3) feet to allow for maintenance and inspection,

(c) Warning signs and identification signs shall be installed to clearly identify hazards. The design shall be in accordance with sections 7901.9, 7902.1.3, and 5201.8. Conspicuous signs prohibiting simultaneous tank filling and fuel dispensing shall be posted,

(d) Tanks containing motor fuels shall not exceed a ten thousand (10,000) gallon individual or eighteen thousand (18,000) gallon aggregate capacity. Installations having the maximum allowable aggregate capacity shall be separated from other such installations by not less than one hundred (100) feet, and

(e) Tanks shall be provided with automatic fuel shut-off devices capable of stopping the delivery of fuel when the level in the tank reaches ninety percent (90%) of tank capacity.

3. INSTALLATION OF DISPENSING SYSTEMS

Dispensing systems shall be installed in accordance with Articles 52 and 79 except as follows:

(a) Motor fuels shall be transferred from tanks by means of fixed pumps which are designed and equipped to allow control of the flow and to prevent leakage or accidental discharge,

(b) Tank and tank enclosure openings shall be through the top only. Approved antisiphon devices shall be installed at each connection of piping to a tank when such piping extends below the level of the top of such tank, and

(c) Dispensing devices are allowed to be installed on top of special enclosures.

4. PLANS

Plans submitted under 675 IAC 12-6, Design Releases, shall include the method of storage and dispensing, quantities and types

of liquids to be stored, distances from tanks and dispensers to property lines and buildings, vehicle access, fire appliances, collision barriers, design and construction of tanks and tank supports, secondary containment tank venting, vapor recovery provisions, and emergency controls.

5. MAINTENANCE

Tanks, special enclosures, and dispensing systems shall be maintained in proper condition. Damage shall be repaired immediately using materials having equal or greater strength and fire resistance. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-499; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2962; filed Dec 2, 2001, 12:30 p.m.: 25 IR 1179*)

675 IAC 22-2.2-500 Appendix II-G; secondary containment for underground tank systems containing flammable or combustible liquids

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 500. Appendix II-G is not adopted. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-500; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2963*)

675 IAC 22-2.2-501 Appendix II-H; site assessments for determining potential fire and explosion risks from underground flammable or combustible liquid tank leaks

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 501. Appendix II-H is adopted, except as amended as follows: (a) In Appendix II-H, section 1, second paragraph, delete the word “chief” and substitute the words “inspection authority”.

(b) In Appendix II-H, section 2.1.1, General, in the last sentence, delete the word “chief” and substitute the words “inspection authority”.

(c) In Appendix II-H, section 2.2.1, General, in the last sentence, delete the word “chief” and substitute the words “inspection authority”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-501; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2964*)

675 IAC 22-2.2-502 Appendix II-I; ozone gas-generating equipment

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 502. Appendix II-I is adopted, except as amended as follows: In section 1, add the words “being tested for water treatment” after the word “Equipment”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-502; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2964*)

675 IAC 22-2.2-503 Appendix II-J; storage of flammable and combustible liquids in tanks located within below grade vaults

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 503. Appendix II-J is not adopted. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-503; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2964*)

675 IAC 22-2.2-504 Appendix III-A; fire-flow requirements for buildings

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 504. Appendix III-A is not adopted. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-504; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2964*)

675 IAC 22-2.2-505 Appendix III-B; fire hydrant locations and distribution

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 505. Appendix III-B is not adopted. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-505; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2964*)

675 IAC 22-2.2-506 Appendix III-C; testing automatic sprinkler and standpipe systems

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 506. Appendix III-C is not adopted. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-506; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2964*)

675 IAC 22-2.2-507 Appendix III-D; basement pipe inlets

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 507. Appendix III-D is not adopted. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-507; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2964*)

675 IAC 22-2.2-508 Appendix IV-A; interior floor finish

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 508. Appendix IV-A is not adopted. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-508; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2964*)

675 IAC 22-2.2-509 Appendix IV-B; Christmas trees

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 509. Appendix IV-B is adopted, except as amended as follows: (a) In Appendix IV-B, section 2, delete the title and text and substitute to read as follows: Section 2-Obstructions. In all occupancies, exit doors, exit lights, fire alarm sending stations, wet standpipe hose cabinets, and fire-extinguishing devices shall not be concealed or obstructed by any decorative material.

(b) In Appendix IV-B, section 3, delete the exception without substitution.

(c) In Appendix IV-B, section 3, add a paragraph to read as follows: Inherently flame-retardant materials shall be considered approved decorative materials. Materials which have been treated with a product meeting the definition of flame-retardant in section 207 of this code may be considered approved decorative material if the classification is verified by the state fire marshal and the application is verified by the chief of the servicing fire department. The owner shall keep a copy of such verification on the premises.

(d) In Appendix IV-B, section 4, add a second paragraph to read as follows: No tree shall be maintained in a public building in excess of fourteen (14) days.

(e) In Appendix IV-B, section 10, delete title and text and substitute to read as follows: Holiday decorations. Holiday decorations used in public buildings such as decorative-lighting strings, decorative outfits, and artificial Christmas trees shall be listed or labeled. All tree lights shall be turned off when the building is vacated.

(f) In Appendix IV-B, add a new section 12 to read as follows: Section 12. At least two (2) working days prior to placing a tree in a public building the local fire department shall be notified. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-509; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2964*)

675 IAC 22-2.2-510 Appendix V-A; nationally recognized standards of good practice

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 510. Appendix V-A is adopted, except as amended as follows: In section 2, add a third line under FACTORY MUTUAL ENGINEERING AND RESEARCH to read FACTORY MUTUAL DATA SHEETS. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-510; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2965*)

675 IAC 22-2.2-511 Appendix VI-A; hazardous materials classifications

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 511. Appendix VI-A is adopted. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-511; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2965*)

675 IAC 22-2.2-511.1 Appendix VI-B; hazard ranking

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 511.1. Appendix VI-B is not adopted. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-511.1; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2965*)

675 IAC 22-2.2-512 Appendix VI-C; emergency relief venting for fire exposure for aboveground tanks

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 512. Appendix VI-C is adopted. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-512; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2965*)

675 IAC 22-2.2-513 Appendix VI-D; model citation program

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 513. Appendix VI-D is not adopted. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-513; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2965*)

675 IAC 22-2.2-514 Appendix VI-E; reference tables from the Uniform Building Code

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 514. Appendix VI-E is adopted, except as amended as follows: (a) Delete the word "Uniform" from the title.

(b) In Appendix VI-E, change Table 3-A to read as follows:

(1) I-2 308.1 Nursing homes for ambulatory patients, homes for children six (6) years of age or over (each accommodating more than ten (10) persons).

(2) R-1 310.1 Hotels and apartment houses. Congregate residences (each accommodating eleven (11) or more persons).

(3) R-2 310.1 Bed and Breakfast Establishments.

(4) R-3 310.1 Lodging houses and dwellings in buildings of mixed occupancy having two (2) or less dwelling units. Congregate residences).

(5) U-1 312.1 Private garages, carports, sheds, and agricultural buildings that are Class 1 buildings or structures.

(6) U-2 Class 1 tanks and towers.

(c) In Appendix VI-E, change Table 3-B to read as follows: Change "R-3" to "R-2 and R-3".

(d) In Appendix VI-D, change Table 5-B line “R-3” of Appendix VI-D to read as follows:

R-2, R-3	H	UL	3	3	3	3	3	3	3	3
Unlimited										

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-514; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2965)

675 IAC 22-2.2-515 Appendix VI-F; recommended separation distances for explosive materials

Authority: IC 22-13-2-2
 Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 515. Appendix VI-F is adopted. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-515; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2965)*

675 IAC 22-2.2-515.1 Appendix VI-G; cryogenic fluids weight and volume equivalents

Authority: IC 22-13-2-2
 Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 515.1. Appendix VI-G is not adopted. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-515.1; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2965)*

675 IAC 22-2.2-516 Appendix VI-H; refrigerant groups and properties

Authority: IC 22-13-2-2
 Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 516. Appendix VI-H is not adopted. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-516; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2966)*

675 IAC 22-2.2-517 Appendix VI-I; unit conversion tables

Authority: IC 22-13-2-2
 Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 517. Appendix VI-I is not adopted. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-517; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2966)*

675 IAC 22-2.2-518 Uniform Fire Code Standard 10-1; installation, inspection, maintenance, and testing of portable fire extinguishers

Authority: IC 22-13-2-2
 Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 518. Delete Uniform Fire Code Standard 10-1 and substitute the following: UFC Standard 10-1 shall be NFPA 10, as adopted at section 3 of this code. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-518; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2966; errata filed Oct 9, 1998, 2:57 p.m.: 22 IR 469)*

675 IAC 22-2.2-519 Uniform Fire Code Standard 10-2; installation, maintenance, and use of sprinkler alarm and fire alarm systems

Authority: IC 22-13-2-2
 Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-7

Sec. 519. Delete Uniform Fire Code Standard 10-2 and substitute the following: UFC Standard 10-2 shall be NFPA 72, as adopted at section 17 of this code. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-519; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2966; errata filed Oct 9, 1998, 2:57 p.m.: 22 IR 469)*

675 IAC 22-2.2-520 Uniform Fire Code Standard 24-1; aircraft fueling

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 520. Delete Uniform Fire Code Standard 24-1 and substitute the following: UFC Standard 24-1 shall be NFPA 407, as adopted at section 23 of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-520; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2966; errata filed Oct 9, 1998, 2:57 p.m.: 22 IR 469*)

675 IAC 22-2.2-521 Uniform Fire Code Standard 52-1; compressed natural gas (CNG) vehicular fuel systems

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 521. Delete Uniform Fire Code Standard 52-1 in its entirety and substitute the following: UFC Standard 52-1 shall be NFPA 52, as adopted at section 13 of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-521; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2966; errata filed Oct 9, 1998, 2:57 p.m.: 22 IR 469*)

675 IAC 22-2.2-522 Uniform Fire Code Standard 62-1; ovens and furnaces

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 522. Delete Uniform Fire Code Standard 62-1 and substitute the following: UFC Standard 62-1 shall be NFPA 86, as adopted at section 18 of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-522; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2966; errata filed Oct 9, 1998, 2:57 p.m.: 22 IR 469; errata filed Jul 29, 1999, 10:53 a.m.: 22 IR 3937*)

675 IAC 22-2.2-523 Uniform Fire Code Standard 74-1; industrial and institutional bulk oxygen systems

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 523. Delete Uniform Fire Code Standard 74-1 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-523; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2966*)

675 IAC 22-2.2-524 Uniform Fire Code Standard 79-1; foam fire protection standard

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 524. Delete Uniform Fire Code Standard 79-1 and substitute the following: UFC Standard 79-1 shall be NFPA 11, as adopted at 675 IAC 13-1-4. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-524; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2966*)

675 IAC 22-2.2-525 Uniform Fire Code Standard 79-2; fixed water-spray automatic fire protection systems

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 525. Delete Uniform Fire Code Standard 79-2 and substitute the following: UFC Standard 79-2 shall be NFPA 15, as adopted at section 4 of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-525; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2966; errata filed Oct 9, 1998, 2:57 p.m.: 22 IR 469*)

675 IAC 22-2.2-526 Uniform Fire Code Standard 79-3; identification of health, flammability, and reactivity hazards of hazardous materials

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 526. Delete Uniform Fire Code Standard 79-3 and substitute the following: UFC Standard 79-3 shall be NFPA 704, as adopted at section 24 of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-526; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2967; errata filed Oct 9, 1998, 2:57 p.m.: 22 IR 469*)

675 IAC 22-2.2-527 Uniform Fire Code Standard 79-4; vehicles for transporting flammable or combustible liquids

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 527. Delete Uniform Fire Code Standard 79-4 and substitute the following: UFC Standard 79-4 shall be NFPA 385, as adopted at section 21 of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-527; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2967; errata filed Oct 9, 1998, 2:57 p.m.: 22 IR 469*)

675 IAC 22-2.2-528 Uniform Fire Code Standard 79-5; portable flammable or combustible liquid tanks

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 528. Delete Uniform Fire Code Standard 79-5 and substitute the following: UFC Standard 79-5 shall be NFPA 386, as adopted at section 22 of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-528; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2967; errata filed Oct 9, 1998, 2:57 p.m.: 22 IR 469*)

675 IAC 22-2.2-529 Uniform Fire Code Standard 79-6; interior lining of underground storage tanks

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 529. (a) In Uniform Fire Code Standard 79-6, in the first paragraph under the title, delete the words “subject to approval by the chief”.

(b) In section 79.601.1, add new paragraphs to read as follows: Appendices II and III are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code.

Other codes or standards referenced or listed within this standard are not enforceable unless specifically adopted in this rule or other rules of the commission.

(c) In section 79.601.3, delete “Approved” and substitute the following: APPROVED means, as to materials, equipment, and types of construction, acceptance by the authority having jurisdiction by one (1) of the following methods:

- (1) investigation or tests conducted by recognized authorities; or
- (2) investigation or tests conducted by technical or scientific organizations; or
- (3) accepted principles.

The investigation, tests, or principles shall establish that the materials, equipment, and types of construction are safe for their intended purpose. Other approvals shall be as specified in Section 103.1.2 in Volume 1.

(d) In section 79.601.3, the definition of Qualified Person is deleted, and it shall have the meaning as defined in Volume 1.

(e) Add the following definitions:

AUTHORITY HAVING JURISDICTION means the State Building Commissioner, or; Indiana State Fire Marshal, or; officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

BUILDING CODE is the building code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of a structure.

ELECTRICAL CODE is the electrical code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of a structure.

INSPECTION AUTHORITY is the Indiana state fire marshal, or the fire chief, or the Indiana state building commissioner, or the local building official, or their authorized representative.

LABELED. Equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED. Equipment or materials included in a list published by an organization engaged in product evaluation that maintains

periodic inspection of production of listed equipment or materials and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

UNIFORM FIRE CODE is the Indiana Fire Code.

(f) Delete section 79.601.4 in its entirety. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-529; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2967*)

675 IAC 22-2.2-530 Uniform Fire Code Standard 79-7; testing requirements for protected aboveground tanks

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 530. (a) In Uniform Fire Code Standard 79-7, section 79.702.7.3, delete the words “by the chief” without substitution and delete “UFC” and substitute “Indiana Fire Code”.

(b) In section 79.702.7.3 delete “U.F.C.” and substitute “Indiana Fire Code”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-530; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2968*)

675 IAC 22-2.2-531 Uniform Fire Code Standard 80-1; storage, dispensing, and use of silane and its mixtures

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 531. Add a new section 80.101.1.1 to read as follows: 80.101.1.1 Definitions:

UFC and Uniform Fire Code is the Indiana Fire Code.

U.B.C. and Building Code is the building code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of a structure.

(*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-531; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2968*)

675 IAC 22-2.2-532 Uniform Fire Code Standard 80-2; industrial and institutional bulk oxygen systems

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 532. Delete Uniform Fire Code Standard 80-2 and substitute the following: UFC Standard 80-2 shall be NFPA 50, as adopted at section 8 of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-532; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2968; errata filed Oct 9, 1998, 2:57 p.m.: 22 IR 469*)

675 IAC 22-2.2-533 Uniform Fire Code Standard 80-3; flammable cryogenic fluid systems at consumer sites

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 533. Delete Uniform Fire Code Standard 80-3 and substitute the following: UFC Standard 80-3 shall be NFPA 50B, as adopted at section 9 of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-533; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2968; errata filed Oct 9, 1998, 2:57 p.m.: 22 IR 469*)

675 IAC 22-2.2-534 Uniform Fire Code Standard 80-4; inert cryogenic fluid systems at consumer sites

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 534. (a) In Uniform Fire Code Standard 80-4, delete the fourth paragraph.

(b) Delete, from the fifth paragraph, the words “subject to approval by the chief,”.

(c) Chapter 2 is revised as follows: The provisions of this standard shall apply to the installation, inspection, maintenance, and testing of bulk inert gas containers and systems at consumer sites, except that when an Indiana Fire Code, Volume 1 provision or an amendment is specified, the Indiana Fire Code, Volume 1 or amendment provision specified shall be applicable. The gases might be stored as inert compressed gases or as inert cryogenic fluids in either stationary or portable containers. The bulk system terminates

at the point where gas at service pressure enters the supply line.

(d) Chapter 3 is amended as follows: 3.1 is amended as follows: AUTHORITY HAVING JURISDICTION means the state building commissioner or officer of a local unit of government empowered by law to administer and enforce the rules of the commission. For the purposes of Industrialized Building Systems (675 IAC 15), authority having jurisdiction means the state building commissioner.

Delete 3.5 and substitute to read as follows: 3.5 CONTAINER is a cryogenic vessel used for transportation, handling, or storage.

3.6 is amended as follows: Cryogenic fluid as defined in section 204 of this code.

3.7 is amended as follows: Fire-resistive construction as defined in the Indiana Building Code.

3.9 is deleted.

3.11 is deleted.

3.13 is deleted.

3.18 is amended as follows: QUALIFIED means having successfully completed instruction related to the equipment being installed, serviced, or repaired.

3.19 is deleted.

3.21 is deleted.

Add 3.23 to read as follows: UFC means the Indiana Fire Code.

(e) Delete 4 General in its entirety.

(f) Add a sentence to Item 4, section 5.1, to read: Access shall be restricted to authorized personnel.

(g) Item 11 in section 5.2.1.4, delete "Mechanical Code" and substitute "Indiana Mechanical Code".

(h) Item 37 in section 7.3.4, delete "Electrical Code" and substitute "Indiana Electrical Code". (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-534; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2968*)

675 IAC 22-2.2-535 Uniform Fire Code Standard 81-1; high-piled general storage of combustibles in buildings

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 535. Delete Uniform Fire Code Standard 81-1 and substitute the following: UFC Standard 81-1 shall be NFPA 13 (675 IAC 13-1-8). (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-535; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969; errata filed Oct 9, 1998, 2:57 p.m.: 22 IR 469; filed Nov 14, 2001, 4:55 p.m.: 25 IR 1176*)

675 IAC 22-2.2-536 Uniform Fire Code Standard 81-2; high-piled storage of combustibles on racks in buildings

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 536. Delete Uniform Fire Code Standard 81-2 and substitute the following: UFC Standard 81-2 shall be NFPA 13 (675 IAC 13-1-8). (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-536; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969; errata filed Oct 9, 1998, 2:57 p.m.: 22 IR 469; filed Nov 14, 2001, 4:55 p.m.: 25 IR 1176*)

675 IAC 22-2.2-537 Uniform Fire Code Standard 81-3; mechanical smoke removal systems

Authority: IC 22-11-15; IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 537. In Uniform Fire Code Standard 81-3, add a new section 81-301.1 to read as follows: 81.301.1 Definitions BUILDING CODE means the building code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of a structure.

MECHANICAL CODE means the mechanical code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of a structure.

UFC means the Indiana Fire Code.

(*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-537; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969*)

675 IAC 22-2.2-538 Uniform Fire Code Standard 81-4; high-piled storage of combustible records in buildings

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 538. Delete UFC Standard 81-4 without substitution. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-538; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969*)

675 IAC 22-2.2-539 Uniform Fire Code Standard 82-1; liquefied petroleum gas storage and use

Authority: IC 22-13-2-2

Affected: IC 22-11-15; IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 539. Delete Uniform Fire Code Standard 82-1 and substitute the following: UFC Standard 82-1 shall be NFPA 58, as adopted at section 14 of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-539; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2969; errata filed Oct 9, 1998, 2:57 p.m.: 22 IR 469*)

675 IAC 22-2.2-540 Uniform Fire Code Standard A-III-C-1; inspection, testing, and maintenance of water based fire-protection systems

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 540. Delete Uniform Fire Code Standard A-III-C-1 and substitute the following: UFC Standard A-III-C-1 shall be NFPA 25 as adopted at section 5 of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-540; filed Mar 25, 1999, 4:30 p.m.: 22 IR 2528; errata filed Jul 29, 1999, 10:56 a.m.: 22 IR 3937*)

ARTICLE 23. RECREATIONAL FACILITIES

Rule 1. Amusement Device Code

675 IAC 23-1-1 Title, purpose, availability

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 1. (a) Title. This rule (675 IAC 23-1) shall be known as the Indiana Amusement Device Code, and shall be published by the Fire and Building Services Department for general use and distribution under that title. Whenever the term "this code" is used throughout this rule (675 IAC 23-1) it shall mean the Indiana Amusement Device Code.

(b) Purpose. The purpose of this code is to establish and provide for the administration of an inspection program to regulate amusement devices; set minimum standards in order to secure public safety, health and general welfare through structural strength, stability and safety to life and property hazards incidental to the installation, alteration, repair, removal and operation of amusement devices; and to establish a schedule of reasonable inspection fees for amusement devices, based on the size and complexity of the device.

(c) Availability. This rule (675 IAC 23-1) is available for purchase from the Fire and Building Services Department, 1099 North Meridian Street, Suite 900, Indianapolis, Indiana 46204. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-1; filed Sep 19, 1986, 9:15 am: 10 IR 238, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3898; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-2 Administration, Part I; scope

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 2. The provisions of Administration, Part I; (675 IAC 23-1-2 through 675 IAC 23-1-21) of this code establishes a program for the inspection of amusement devices and provides for the administration of that program. (*Fire Prevention and Building Safety*

Commission; 675 IAC 23-1-2; filed Sep 19, 1986, 9:15 am: 10 IR 238, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 23-1-3 Exempted devices

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7
Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 3. The following amusement devices are ordinary forms of transportation and therefore are exempt from the provisions of this code:

- (1) Buses, trolleys or similar ground vehicular transportation devices used within an amusement park, carnival or fair, designed to transport people and not used for the purpose of amusement or viewing of the amusement park.
- (2) Sightseeing boats and similar water transportation devices.
- (3) Helicopters, hot air balloons, airplanes, and similar air transportation devices.

(Fire Prevention and Building Safety Commission; 675 IAC 23-1-3; filed Sep 19, 1986, 9:15 am: 10 IR 238, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3899; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 23-1-4 Definitions

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7
Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 4. For the purposes of this code, the following terms shall have the meaning indicated.

"ACCEPTED ENGINEERING PRACTICE" means that which conforms to accepted principles, tests, or standards of nationally recognized technical or scientific authorities.

"AMUSEMENT DEVICE" means a device designed to carry or convey one (1) or more persons in one (1) or more planes or degrees of motion for the purpose of amusement, recreation, or entertainment. The term includes an amusement ride. Passenger tramways, aerial tramways and lifts, surface lifts and tows fall within this definition of amusement device. Passenger operated devices such as go-carts, pedal boats and bicycles are not within this definition.

"AMUSEMENT PARK" means a tract or area used principally as a permanent location for amusement devices, rides and structures.

"APPROVED" means acceptable to the state building commissioner or an inspector.

"ATTENDANT" means the individual contracted or the employee who physically operates the amusement device.

"CARNIVAL" means an enterprise offering amusement or entertainment to the public in, upon, or by means of portable amusement devices.

"COMMISSIONER" means the state building commissioner.

"CONTAINING DEVICE" means a strap, belt, bar, gate or other safety device designed to prevent accidental or inadvertent dislodgment of a passenger from a ride or device, but which does not actually provide physical support.

"CONVEY" means to bear from one place to another, to carry or transport.

"CRITICAL COMPONENTS" means a component or system of components that, due to their importance in the continued proper operation of the device, have been designated by the manufacturer as requiring special fabrication, maintenance, inspection or operation.

"DEVICE" see amusement device.

"FAIR" means an enterprise principally devoted to the exhibition of products of agriculture or industry in connection with the operation of amusement.

"FIRST AID" means the one-time treatment or subsequent observation of scratches, cuts, splinters or contusions not requiring more than approximately ten (10) stitches, diagnostic procedures including examination and x-rays which does not ordinarily require medical treatment even though provided by a physician or other licensed professional personnel.

"INSPECTION SEAL" means the seal that is affixed to the amusement ride or device by an inspector after successfully passing the annual inspection.

"INSPECTIONS":

"ANNUAL INSPECTION" means the official, first use, yearly inspection made by the commissioner or an inspector, for the purpose of determining if the amusement device is in safe operating condition for use in that calendar year.

"PERIODIC ONSITE INSPECTION" means an unscheduled inspection performed by the commissioner, an inspector or a local building official, to determine if the device has a valid operating permit, if any damage has occurred and to check for proper maintenance and operation of the ride or device.

"REINSPECTION" means an inspection, other than the annual inspection or the periodic onsite inspection, made during the current season, of an amusement device as a result of a sealed out of service order.

"SUBSEQUENT INSPECTION" means an annual inspection which has been rescheduled because of improper previous notice from the operator.

"INSPECTOR" means an employee of the Fire and Building Services Department qualified to inspect for compliance with this code.

"MAJOR BREAKDOWN" means damage, failure or breakage of a structural or stress bearing part of a device.

"MAJOR MODIFICATION" means any change in either the structural or operational characteristics of the device which will alter its performance from that specified in the manufacturer's design criteria.

"OPERATING PERMIT" means the inspection seal that is affixed to the amusement device by an inspector and identifies the device as officially approved to operate in Indiana.

"OPERATOR" means the owner, or the agent of the owner, who has custody or control of an amusement device.

"PERMANENT AMUSEMENT DEVICE" means an amusement device that is erected to remain a lasting part of the premises.

"PORTABLE AMUSEMENT DEVICE" means an amusement device that is relocated from time to time with or without disassembly.

"PROPERLY MAINTAINED" means assembling, disassembling, transporting and operating amusement devices in accordance with this code, manufacturer's recommendations, nationally recognized standards, and recognized practice. Properly maintained also means lubricating, greasing, oiling, testing and repairing of parts at specified time intervals in accordance with the recommended practices and procedures.

"REGULATED AMUSEMENT DEVICE" means the same as "Amusement Device".

"RESTRAINING DEVICE" means a safety belt, harness, chain, bar or other device which affords actual physical support, retention, or restraint to the passenger of an amusement device.

"SAFETY RETAINER" means a secondary safety cable, bar attachment or other device designed to prevent parts of an amusement device from becoming disengaged from the mechanism or from tipping or tilting in a manner to cause a hazard to persons riding on, or in the vicinity of an amusement device.

"SERIOUS INJURY" means an injury that requires medical treatment, other than first aid by a physician.

"SHALL" or "MUST" means the provision is mandatory. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-4; filed Sep 19, 1986, 9:15 am: 10 IR 239, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3899; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-5 Responsibility for compliance

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 5. Every operator of an amusement device shall comply with or affect compliance with all provisions of this code. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-5; filed Sep 19, 1986, 9:15 am: 10 IR 240, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-6 Prohibited use

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 6. The operator of an amusement device shall not knowingly or intentionally allow the device to be operated:

- (1) without a valid Indiana operating permit, or
- (2) when it has been sealed out of service, or
- (3) when in violation of this code, or
- (4) without passing the annual inspection, or
- (5) without providing a current certificate of insurance.

Also, no person shall knowingly use, suffer or permit to be used, an amusement device which is not properly assembled or which is defective or unsafe in any of its parts, components or safety equipment. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-6; filed Sep 19, 1986, 9:15 am: 10 IR 240, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3900; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-7 Enforcement

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 7. (a) The provisions of this code shall be enforced by the state building commissioner.

(b) Local building officials may cooperate with the state building commissioner in the enforcement of the Administration; Part I (675 IAC 23-1-2 through 675 IAC 23-1-21) of this code for the purpose of periodic onsite inspections.

(c) Correction orders and sealed out of service orders shall only be issued by an inspector, as defined in this code. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-7; filed Sep 19, 1986, 9:15 am: 10 IR 240, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-8 Powers and duties

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 8. (a) The inspector may enter any amusement device, park or premise at all reasonable times to make an inspection or enforce any of the provisions of this code.

(b) When entering an amusement device, park or premise that is occupied, the inspector shall first identify himself, present proper credentials and request entry. If the amusement device, park or premise is unoccupied, he shall first make a reasonable effort to locate the owner or other persons having charge of the amusement device, park or premise and request entry. If entry is refused, the inspector shall have recourse to every remedy provided by law to secure entry.

(c) No person, owner or operator of any amusement device, park or premise shall fail, after proper credentials are displayed, to permit entry into any amusement device, park or onto any property by the inspector for the purpose of inspections pursuant to this code. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-8; filed Sep 19, 1986, 9:15 am: 10 IR 240, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-9 Annual operating permit

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 9. No person shall operate an amusement device unless it has been inspected and an annual operating permit has been issued by the state building commissioner. To obtain an annual operating permit the operator must:

(1) Complete the application for an annual operating permit form in full.

(2) Pay the inspection fee detailed in the Fee Schedule, Part III (675 IAC 23-1-62 through 675 IAC 23-1-64) of this code.

(3) The device shall successfully pass the annual inspection.

An amusement device that complies with all of the requirements will have an inspection seal affixed to it by an inspector. The inspection seal will serve as the annual operating permit for that amusement device. No person shall cause to be affixed to an amusement device a valid permit issued for another device.

If the device fails the annual inspection, the inspector will schedule a reinspection. The cost of the reinspection will be one-half (1/2) of the annual inspection fee. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-9; filed Sep 19, 1986, 9:15 am: 10 IR 240, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3901; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-10 Operating permit form; application

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 10. The application for an annual operating permit form will be provided to the operator, upon request, by the state building commissioner. The operator shall apply for the annual operating permit thirty (30) days prior to the first opening of a device in Indiana. The application form shall provide the required information as follows:

- (1) Name, address and telephone number of operator having custody or control of the amusement device.
- (2) Name, address and telephone number of amusement device owner.
- (3) Name, address and telephone number of representative to be contacted concerning inspection.
- (4) Date of application and name and signature of person making application.
- (5) Identification of each device by a trade or descriptive name and an identification number.
- (6) Address, date and time of first scheduled opening of the device(s) in Indiana.
- (7) Itinerary of all scheduled show dates in Indiana. All itinerary changes shall be reported to the state building commissioner by telephone within twenty-four (24) hours.
- (8) Any additional information deemed necessary by the state building commissioner, for the purposes of scheduling inspections.

(Fire Prevention and Building Safety Commission; 675 IAC 23-1-10; filed Sep 19, 1986, 9:15 am: 10 IR 241, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3901; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 23-1-11 Reciprocity (Repealed)

Sec. 11. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 7, 1988, 2:45 pm: 11 IR 3904)*

675 IAC 23-1-12 Annual inspection

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 12. The state building commissioner shall cause to be inspected each amusement device before its first use in any calendar year. The annual inspection shall be performed to determine to a reasonable degree, that the structural materials and the construction of the amusement device conforms to recognized engineering practices, procedures, standards and manufacturer's specifications. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-12; filed Sep 19, 1986, 9:15 am: 10 IR 241, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 23-1-13 Inspection seal

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 13. An amusement device that successfully passes the annual inspection shall have a seal applied by the inspector, which will serve as the annual operating permit. (Also see 675 IAC 23-1-9.) *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-13; filed Sep 19, 1986, 9:15 am: 10 IR 241, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 23-1-14 Periodic onsite inspection

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 14. The state building commissioner shall also cause to be made periodic onsite inspection of the erection and operation of amusement devices, however, no such periodic inspection can be required as a prerequisite for operation. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-14; filed Sep 19, 1986, 9:15 am: 10 IR 242, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3901; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 23-1-15 Correction order

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 15. If an inspector finds a condition on the equipment which does not comply with this code, but would not cause harm to persons if not corrected prior to operation, he will issue a correction order. Failure to comply with a correction order shall cause the device to be sealed out of service. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-15; filed Sep 19, 1986, 9:15 am: 10 IR 242, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 23-1-16 Sealed out of service

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 16. If an inspector finds a condition on the amusement device which may cause harm to persons if not corrected prior to operation, he shall seal it out of service. The inspector, on request, shall reinspect the device and if the condition has been corrected, he shall remove the sealed out of service order. If an amusement device must be moved while sealed out of service, the annual inspection seal shall be suspended until the condition is corrected and the equipment has been reinspected. A sealed out of service order supercedes the annual operating permit. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-16; filed Sep 19, 1986, 9:15 am: 10 IR 242, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 23-1-17 Subsequent inspection

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 17. Whenever an inspector goes to a site to perform a scheduled annual inspection, but cannot do so because the operator has failed to prepare the devices for inspection, a subsequent inspection date shall be scheduled and the operator shall be charged a subsequent inspection fee. However, if the operator gives the inspector reasonable notification, prior to the inspector's arrival on the site, no subsequent inspection fee will be charged. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-17; filed Sep 19, 1986, 9:15 am: 10 IR 242, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3901; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 23-1-18 Reinspections

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 18. Reinspections shall be performed within twenty-four (24) hours of a request for reinspection, or as soon thereafter as practical. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-18; filed Sep 19, 1986, 9:15 am: 10 IR 242, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 23-1-19 Inspections; written reports

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 19. Every inspection shall be documented by a written inspection report. Each observed violation of these rules shall be noted on the inspection report. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-19; filed Sep 19, 1986, 9:15 am: 10 IR 242, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 23-1-20 Penalty (Repealed)

Sec. 20. *(Repealed by Fire Prevention and Building Safety Commission; filed Jul 7, 1988, 2:45 pm: 11 IR 3904)*

675 IAC 23-1-21 Reporting injuries, deaths and mechanical failures

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 21. (a) Injuries and fatalities shall be reported to the state building commissioner in the following manner:

(1) The operator shall report by telephone within four (4) hours:

- (A) any fatalities, or
- (B) serious injuries,

that resulted from a failure of the amusement device.

In these cases the state building commissioner shall determine if the device shall be sealed out of service until an inspection of the site can be performed. If the device is sealed out of service the state building commissioner shall perform an inspection within twenty-four (24) hours. (Also, any telephone report shall be followed by a written report within five (5) working days.)

(2) The operator shall report by mail within five (5) working days any:

- (A) serious injuries or fatalities that resulted from natural cause or human error of the passenger during operation of the device, or
- (B) first aid injuries that resulted from a failure of the amusement device.

(3) Any report shall state all pertinent facts including:

- (A) date, time and location of incident;
- (B) name, age, and address of victim;
- (C) type of injury;
- (D) hospital where treated, if any;
- (E) a description of the accident;
- (F) name and identification number of amusement device involved; and
- (G) name, address and telephone number of operator filing the report.

(b) Any operator of an amusement device shall within forty-eight (48) hours report to the state building commissioner a major breakdown of a device by telephone. Upon notification, the state building commissioner may seal the device out of service until repaired and reinspected. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-21; filed Sep 19, 1986, 9:15 am: 10 IR 242, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-22 Technical requirements, Part II; scope

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 22. The provisions of Technical Requirements, Part II (675 IAC 23-1-22 through 675 IAC 23-1-61) of this code shall apply to the following.

(a) Installation, alteration, repair, equipment, operation, location, maintenance and removal of every amusement device or any appurtenances connected or attached to such amusement device.

(b) Existing amusement devices which are in safe operating condition and comply with all manufacturer's specifications for the original device shall not be made to comply with manufacturer's specifications for a new amusement device. However, if a manufacturer recommends or requires a critical component, or other component of the amusement device, to be upgraded because of documented proof that the continued use of the device in its present condition may cause harm or otherwise endanger public safety, the manufacturer's recommendation or requirement shall be complied with. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-22; filed Sep 19, 1986, 9:15 am: 10 IR 243, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-23 General provisions

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 23. All amusement devices, including homemade devices and devices for which no manufacturer's specifications exist, shall comply with the provisions of this code and any safety standards, operating manuals and technical specifications prescribed by the manufacturer for a particular device. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-23; filed Sep 19, 1986, 9:15 am: 10 IR 243, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-24 Maintenance

Authority: IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 24. All amusement devices, both existing and new, and all parts thereof, shall be maintained in a safe condition. All devices or safeguards which are required by this code, or the manufacturer, in an amusement ride or device when erected, altered or repaired shall be maintained in good working order. The owner, or his designated agent, shall be responsible for the maintenance of amusement devices. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-24; filed Sep 19, 1986, 9:15 am: 10 IR 243, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 23-1-25 Amusement device identification

Authority: IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 25. Every amusement device shall be identified by a trade, descriptive name and an identification number. There shall be permanently attached to every amusement device, in a readily visible location, a metal plate containing the name and identification number of the amusement device, and the name and address of its manufacturer. Upon the same or another metal plate so attached, shall be legibly impressed the maximum safe number of passengers, maximum safe load in pounds and the maximum safe speed. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-25; filed Sep 19, 1986, 9:15 am: 10 IR 243, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 23-1-26 Non-destructive testing

Authority: IC 22-13-2-13
 Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 26. (a) The commissioner may require that all devices of the type listed below have all main life supporting spindles, shafts or supplementary spindles checked by a method of non-destructive testing when he finds that such non-destructive testing is necessary to protect the life and safety of persons or when recommended by the manufacturer. Testing shall be conducted by a person, firm or company familiar with or qualified in using a method that is best suited for optimum results in determining cracks or discrepancies in the part being checked. A letter of the results of the examination shall be filed with the commissioner.

- (1) All type wheel rides (i.e., Ferris, Astro, Space, Sky, etc.)—main and seat spindles.
- (2) Loop O Plane.
- (3) Paratrooper.
- (4) Rock O Plane—main and tub.
- (5) Rock N Roll—main and car spindles.
- (6) Round Up.
- (7) Sky Diver.
- (8) Tip Top—main and car spindles.
- (9) Trabant.
- (10) Turbo—two (2) sweep axles.
- (11) Radar (Raven)—two (2) sweep axles.
- (12) Zipper.
- (13) Rampage—main, boom and seat.
- (14) Monster—eccentric spindle.
- (15) Octopus—eccentric spindle.
- (16) Spider—eccentric spindle.
- (17) Similar amusement devices or any other amusement devices which have suspected stress members or have experienced failures.

(b) Any amusement device damaged by a breakdown or in a highway or midway accident shall comply with the non-destructive testing section when the commissioner deems it necessary. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-26; filed Sep 19, 1986, 9:15 am: 10 IR 243, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 23-1-27 Major modifications of amusement devices

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 27. (a) After the effective date of this code (November 1, 1986) any major modification to original design initiated by the operator shall, prior to modification, be submitted in writing to the manufacturer or a registered engineer for approval, based on accepted engineering practice. Evidence of approval shall be submitted to the commissioner.

(b) An amusement device that has been subject to a major modification shall have affixed an additional information plate containing the name of the alterer or remanufacturer, a supplementary serial number, and a certification of the date, maximum speed and maximum capacity. All amusement devices that were subject to a major modification prior to the effective date of this code (November 1, 1986) shall have an additional information plate stating that the modification was performed prior to November 1, 1986. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-27; filed Sep 19, 1986, 9:15 am: 10 IR 244, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-28 Repairs

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 28. Repairs will be carried out in accordance with the manufacturer's instructions and replacement parts shall meet or exceed original equipment specifications. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-28; filed Sep 19, 1986, 9:15 am: 10 IR 244, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-29 Welding, cutting and brazing

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 29. No welding, cutting or brazing shall be accomplished where the public can directly observe or be hit by sparks or flying materials generated by the process. All compressed gas, compressed gas cylinders, electrical equipment and other apparatus associated with welding, cutting and brazing shall be stored, handled and meet the requirements of the rules of the fire prevention and building safety commission, and nationally recognized standards. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-29; filed Sep 19, 1986, 9:15 am: 10 IR 244, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-30 Operator responsibilities

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 30. (a) Fact Sheet. Each operator of an amusement device shall read and become familiar with the contents of the manufacturer's recommended operating instructions and specifications, and prepare an operating fact sheet. This fact sheet shall be made available to each attendant of the amusement device.

(1) The operator's fact sheet (for each amusement device) shall include but not be limited to:

- (A) specific amusement device operation policies and procedures with pertinent information from the manufacturer's instructions;
- (B) description of the amusement device operation;
- (C) duties of the specific assigned position of the device attendant;
- (D) general safety procedures such as when the amusement device has mounting which would entangle long hair, scarves, etc., or warning passengers to be cautious;
- (E) any additional recommendations of the operator;
- (F) specific emergency procedures in the event of an abnormal condition or an interruption of service.

(2) The operator shall provide training for each attendant of an amusement device. This training shall include but not be limited to the following, where applicable:

- (A) instructions on amusement device operating procedures;

- (B) instructions on specific duties of the assigned position;
- (C) instructions on general safety procedures;
- (D) instructions on emergency procedures;
- (E) demonstration of the physical amusement device operation;
- (F) supervised observation of the amusement device attendant's physical operation of the amusement device.

(b) Program for Maintenance, Testing and Inspection. Each operator of an amusement device shall read and become familiar with the contents of the manufacturer's maintenance, instructions and specifications or best information available. Based on the manufacturer's recommendations and general accepted practice, each operator shall implement a program of maintenance, testing, and inspections providing for the duties and responsibilities necessary in the care of each amusement device. This program of maintenance shall include a checklist to be made available to each person performing the regularly scheduled maintenance on each amusement device.

(1) The operator's checklist (for each amusement device) shall include but not be limited to:

- (A) description of preventive maintenance assignments to be performed;
- (B) description of inspections to be performed;
- (C) special safety instructions, where applicable;
- (D) any additional recommendations of the operator.

(2) The operator of the amusement device shall provide training for each person performing the regularly scheduled maintenance on the amusement device, pertaining to their assigned duties. This training shall include, but not be limited to the following:

- (A) instruction on inspection and preventative maintenance procedures;
- (B) instruction on the specific duties of the assigned position;
- (C) instruction on general safety procedures;
- (D) demonstration of the physical performance of the assigned regularly scheduled duties and inspections;
- (E) supervised observation of the maintenance person's physical performance of their assigned regularly scheduled duties and inspection;
- (F) additional instructions deemed necessary by the operator.

(3) Prior to carrying passengers, the operator shall conduct or cause to be conducted *[sic.]* a daily documented and signed pre-opening inspection, based on provided instructions, to insure the proper operation of the amusement device. The inspection program shall include, but not be limited to the following:

- (A) inspection of all passenger-carrying amusement devices, including restraint devices and latches;
- (B) visual inspection of entrances, exits, stairways, and ramps;
- (C) functional test of all communication equipment necessary for the operation of the amusement device;
- (D) inspection or test of all automatic and manual safety devices;
- (E) inspection or test of the brakes, including service brakes, emergency brakes, parking brakes, and back stops;
- (F) visual inspection of all fencing, guarding, and barricades;
- (G) visual inspection of the amusement device structure;
- (H) the amusement device shall be operated for a minimum of one complete operating cycle.

(c) Following an unscheduled cessation of operation caused by malfunction; adjustment; mechanical; electrical or operational modification; or environmental conditions that may effect the safe use of the device, the attendant shall:

- (1) unload passengers from the amusement device;
- (2) inspect the amusement device;
- (3) operate the amusement device without passengers, to determine that the cause for cessation of operation has been corrected and does not create an operational problem.

This subsection shall not apply to amusement devices covered by ANSI B77.1-1982 (675 IAC 23-1-60). (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-30; filed Sep 19, 1986, 9:15 am; 10 IR 244, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.; 25 IR 530*)

675 IAC 23-1-31 Overloading and overspeeding

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 31. An amusement device shall not be overcrowded or loaded in excess of its safe passenger capacity, nor shall it be operated at an unsafe speed or at any speed beyond that recommended by the manufacturer. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-31; filed Sep 19, 1986, 9:15 am: 10 IR 245, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 23-1-32 Wind and storm hazards

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 32. An amusement device which is exposed to extreme weather conditions shall not be operated except to release or discharge occupants, until the extreme weather condition abates. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-32; filed Sep 19, 1986, 9:15 am: 10 IR 246, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 23-1-33 Public protection; general

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 33. An amusement device shall not be used or operated while any person is so located as to be endangered by it. Areas in which persons may be struck by a device or similarly injured, shall be fenced, barricaded or otherwise guarded against public intrusion. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-33; filed Sep 19, 1986, 9:15 am: 10 IR 246, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 23-1-34 Signal systems

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 34. Signal systems for the starting and stopping of amusement devices shall be provided where the attendant of the amusement device does not have a clear view of the point at which passengers are loaded or unloaded. Any code of signals adopted shall be printed and kept posted at both the attendant's and signalman's stations. The signal for the movement or operation of an amusement device shall not be given until all passengers, operators, and other persons who may be endangered are in a position of safety. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-34; filed Sep 19, 1986, 9:15 am: 10 IR 246, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 23-1-35 Assembly and disassembly; supervision

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 35. The assembly and disassembly of an amusement device shall be done by or under the immediate supervision of a person experienced in the proper performance of such work in respect to the device. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-35; filed Sep 19, 1986, 9:15 am: 10 IR 246, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 23-1-36 Assembly

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 36. Parts shall be properly aligned, and shall not be bent, distorted, cut or otherwise injured to force a fit. Parts requiring lubrication shall be lubricated in the course of assembly. Fastening and locking devices, such as bolts, cap screws, cotter pins and lock washers shall be installed where required for dependable operation. Nuts shall be drawn tight, cotter pins shall be spread and lock nuts firmly set. Welding of parts upon which safe operation depends (critical components), shall be done by welders certified in accordance with the requirements of the American Welding Society. *(Fire Prevention and Building Safety Commission; 675 IAC*

23-1-36; filed Sep 19, 1986, 9:15 am: 10 IR 246, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 23-1-37 Inspection of parts

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 37. Parts which are excessively worn or which have been materially damaged shall not be used. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-37; filed Sep 19, 1986, 9:15 am: 10 IR 246, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-38 Tools and equipment

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 38. Persons engaged in the assembly or disassembly of amusement devices shall use tools of proper size and design to enable the work to be done safely. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-38; filed Sep 19, 1986, 9:15 am: 10 IR 246, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-39 Location

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 39. (a) An amusement device shall be placed on stable blockings and be secured to prevent shifting, tipping, swaying or erratic motion. The provision pertinent to erratic motion or sway does not apply to an amusement device designed to permit flotation characteristics or flexibility. Use of shim blocks shall be kept to a minimum. Adequate means of drainage shall be provided to prevent water from collecting and softening supporting areas. The area surrounding the amusement device shall be clear and kept free from trash and tripping hazards.

(b) A fixed amusement device permanently erected in an amusement park shall be set on properly designed and constructed foundations or footings and secured to these footings in a manner to prevent shifting, tipping, swaying, or erratic motion. The provisions pertinent to erratic motion or sway does not apply to an amusement device designed to permit flotation characteristics or flexibility.

(c) Nothing in this section shall be construed to prohibit the assembly of an amusement device in accordance with the manufacturer's recommendations. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-39; filed Sep 19, 1986, 9:15 am: 10 IR 246, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-40 Leveling and alignment

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 40. (a) Corner posts, central columns or support structures of an amusement device designed to operate on a perpendicular axis shall be plumb and secured so that the path of the sweeps or platforms shall be level and operate on a true horizontal plane at right angles to the axis of the pivot. An amusement device whose carriers are designed to operate on a horizontal axis shall be leveled so that the carriers all orbit in a true perpendicular plane. The base of an amusement device employing a combination of orbiting planes or a ride whose carriers operate normally in a plane other than true horizontal or vertical shall be leveled, plumbed and secured so that they will not tip or shift and will be stable under the most adverse operating conditions.

EXCEPTION: Bases for amusement devices designed to permit flotation characteristics or flexibility, or designed to operate properly whether the base is plumb or not.

(b) Nothing in this section shall be construed to prohibit the assembly of an amusement device in accordance with the manufacturer's specifications. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-40; filed Sep 19, 1986, 9:15 am: 10 IR 247, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-41 Number of exits

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 41. (a) All totally enclosed amusement device structures shall have at least two (2) exits located at or near opposite ends of the structure.

(b) If the capacity of the totally enclosed amusement device structure exceeds six hundred (600) persons, exits shall be provided on three (3) sides. If the capacity exceeds one thousand (1000) persons, the exits shall be located on four (4) sides. Exits shall be uniformly distributed as nearly as possible and the line of travel from any point to an exit shall not exceed one hundred fifty feet (150'). (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-41; filed Sep 19, 1986, 9:15 am: 10 IR 247, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-42 Access and egress; general

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 42. (a) Safe and adequate means of access to and egress from amusement devices shall be provided. All passageways are to be kept free from debris, obstruction, projection and other hazards. All surfaces shall be such as to prevent slipping and tripping, and floors shall be kept free of protruding nails, splinters, holes or loose boards. Where mechanical handling equipment is used, sufficient safe clearance shall be allowed for passageways.

(b) Adequate stairways or ramps and necessary landings and platforms shall be provided where persons enter or leave an amusement device, or structure that is above or below grade or floor level at the entrance to and exit from such. Unless provided by a recognized manufacturer as a part of the amusement device, the design and construction of stairways, ramps and railings shall conform to the Indiana Building Code (675 IAC 13), except for the placement of stairway railings and guards. All stairs with more than three (3) risers shall have standard handrails or railings on both sides regardless of width, and when stairways are eighty-eight inches (88") or more in width, a railing shall be placed approximately in the center.

(c) Stairway landings and ramps shall be designed, constructed and maintained so as to sustain safely a live load of at least ninety (90) pounds per square foot.

(d) At least two (2) exits remote from each other shall be provided from each level floor, tier, room or balcony. No exit shall be less than twenty-eight inches (28") wide. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-42; filed Sep 19, 1986, 9:15 am: 10 IR 247, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3902; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-43 Lighting

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 43. Amusement devices, access thereto and exits therefrom, shall be provided with illumination by natural or artificial means sufficient to guard against personal injuries while in operation or occupied. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-43; filed Sep 19, 1986, 9:15 am: 10 IR 247, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-44 Design and construction; general

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 44. Amusement devices subject to the provisions of this code shall be so designed and constructed that the minimum allowable loads will not stress any part beyond allowable limits. Amusement devices shall be anchored, guyed, stayed, or otherwise supported, to provide proper stability and to restrict any adverse change in stability. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-44; filed Sep 19, 1986, 9:15 am: 10 IR 248, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-45 Brakes

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 45. If cars or other components of an amusement device collide upon failure of normal controls, emergency brakes sufficient to prevent such collisions shall be provided. On devices which make use of inclined tracks, automatic anti-rollback devices shall be installed to prevent backward movement of the passenger-carrying units in case of failure of the propelling mechanism. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-45; filed Sep 19, 1986, 9:15 am: 10 IR 248, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-46 Speed limiting devices

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 46. An amusement device capable of exceeding its maximum safe operating speed shall be provided with a speed-limiting device. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-46; filed Sep 19, 1986, 9:15 am: 10 IR 248, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-47 Machinery guards

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 47. Machinery used in or with an amusement device shall be enclosed, barricaded or otherwise effectively guarded against contact. Guards removed for maintenance purposes shall be replaced before normal operation is resumed. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-47; filed Sep 19, 1986, 9:15 am: 10 IR 248, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-48 Driving mechanism guards

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 48. Amusement devices that are self-powered and that are operated by passengers shall have the driving mechanism guarded and the guards locked in place to prevent passengers from gaining access to the mechanism. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-48; filed Sep 19, 1986, 9:15 am: 10 IR 248, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-49 Mechanical power transmission

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 49. All power transmission devices and associated moving parts shall be shielded, enclosed or barricaded to protect the public. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-49; filed Sep 19, 1986, 9:15 am: 10 IR 248, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-50 Interior finish

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 50. The interior and exterior parts of all passenger-carrying amusement devices with which a passenger may come in contact shall be smooth and rounded, free from sharp, rough or splintered edges and corners, with no protruding studs, bolts, screws or other projections. Interior parts upon which or against which a passenger may be forcibly thrown by the action of the ride shall

be adequately padded. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-50; filed Sep 19, 1986, 9:15 am: 10 IR 248, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-51 Safety equipment

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 51. Belts, bars, foot rests and other equipment, as may be necessary for safe entrance and exit and for support while the amusement device is in operation, shall be provided. Such equipment and the fastenings shall be of sufficient strength to retain the passengers. The fastenings shall be of a type which cannot be inadvertently released. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-51; filed Sep 19, 1986, 9:15 am: 10 IR 248, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-52 Enclosed amusement device structures; general

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 52. All partially or totally enclosed amusement device structures shall be designed and constructed to carry safely all loads to which such structures may normally be subjected. Materials used in above structures shall not be stressed beyond limits stated in the Indiana Building Code (675 IAC 13). (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-52; filed Sep 19, 1986, 9:15 am: 10 IR 248, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3902; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-53 Air compressors

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 53. Air compressors, air compressor tanks and equipment used in connection therewith, shall be constructed, equipped and maintained in accordance with the rules of the Indiana Boiler and Pressure Vessel Board (680 IAC) and nationally recognized standards. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-53; filed Sep 19, 1986, 9:15 am: 10 IR 249, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-54 Internal combustion power sources

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 54. Internal combustion power sources shall be of adequate type, design and capacity to handle the actual design load. Additional requirements are addressed in the Indiana Fire Prevention Code (675 IAC 22). (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-54; filed Sep 19, 1986, 9:15 am: 10 IR 249, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3902; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-55 Hydraulic systems; general

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 55. Hydraulic systems shall be checked for leaks, damaged pipes and worn or deteriorated hoses. Only manufacturer approved hydraulic fluid shall be used. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-55; filed Sep 19, 1986, 9:15 am: 10 IR 249, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-56 Relief devices

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 56. Pressure relief valves or devices shall be operated on a periodic basis to insure that they operate properly. This includes compressed air and gas devices. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-56; filed Sep 19, 1986, 9:15 am: 10 IR 249, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-57 Electrical safety requirements

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 57. (a) All electrical wiring, equipment and apparatus used for amusement devices or for lighting shall be properly and legally installed, operated and maintained, as required by the Indiana Electrical Code (675 IAC 17).

(b) The following requirements shall apply to all amusement devices:

(1) The outlets of electric power lines carrying more than one hundred twenty (120) volts shall be clearly marked to show their voltage.

(2) Electrical apparatus and wiring located outdoors shall be of such quality and so constructed or protected that exposure to weather will not interfere with its normal operation or endanger life or property.

(3) Elevated power lines crossing access or other roads within the grounds of the carnival, circus, fair or amusement parks or other areas where the amusement devices are located shall be so suspended as to provide minimum vertical clearance of twelve feet (12') from the road surface and minimum horizontal clearance of three feet (3') from each side of the normal passage space of vehicles.

(4) Wiring laid on or under surfaces traversed by vehicular or pedestrian traffic shall be adequately protected against wear and abrasion.

(5) Temporary electric wiring if suspended shall be so supported that its protective insulation will not be damaged.

(6) All electrical installations shall be properly grounded. All electrical cords shall be of the heavy duty type and shall contain an identifying grounding conductor in addition to the current-carrying conductors.

(7) Bare wires and other uninsulated current-carrying parts shall be guarded against accidental contact by means of proper location or by a fence or other barrier.

(8) Conductors shall be provided with over-current protective devices according to load and current-carrying capacity. No such device shall be installed on neutral or grounding conductors.

(9) Where electrical power is supplied for an amusement device by privately operated generating system, the generator and all equipment shall be properly grounded if the system incorporates a ground.

(10) All receptacles and attachment caps shall be of the grounding type.

(11) Each electrically powered amusement device shall be effectively grounded. The grounding shall be made effective as to all noncurrent-carrying metal parts which may become energized and which are exposed to contact by any person.

(12) Each electrically operated amusement device not designated to be controlled directly by the passenger shall be provided with a disconnect power switch placed within easy reach of the attendant.

(*Fire Prevention and Building Safety Commission; 675 IAC 23-1-57; filed Sep 19, 1986, 9:15 am: 10 IR 249, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3902; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-58 Elevators, escalators and moving walks; general

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 58. Elevators, escalators and moving walks shall be designed, constructed and installed in accordance with the Indiana Building Code (675 IAC 13) and the Indiana Elevator Safety Code (675 IAC 21). (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-58; filed Sep 19, 1986, 9:15 am: 10 IR 250, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3903; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-59 Ski equipment

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 59. Devices and equipment generally associated with winter sports activities, such as ski lifts, ski tows, J-bars, ski mobiles, chair lifts and aerial tramways, shall be installed and maintained in accordance with ANSI Standard B77.1-1982 published by the American National Standard Institute. (*Fire Prevention and Building Safety Commission; 675 IAC 23-1-59; filed Sep 19, 1986, 9:15 am: 10 IR 250, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-1-60 Adoption by reference

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 60. (a) That certain document, being titled as the American National Standard for Passenger Tramways – Aerial Tramways and Lifts, Surface Lifts, and Tows – Safety Requirements 1982 edition (ANSI B77.1-1982), published by the American National Standards Institute, 1430 Broadway, New York, New York, 10018, be and the same is hereby adopted by reference, as if fully set out in this rule (675 IAC 23-1), save and except those revisions in this section.

(b) Delete Section 8 in its entirety and substitute the following:

"8. Referenced Standards

When any of the following standards are referenced within this standard (ANSI B77.1-1982) they shall not be considered as adopted by reference but rather shall be treated as (1) adopted rules of the Fire Prevention and Building Safety Commission or (2) nationally accepted practice in accordance with this section.

8.1 Adopted Rules of the Fire Prevention and Building Safety Commission.

8.1.1 Whenever reference is made to American National Standard Flammable and Combustible Liquids Code, ANSI/NFPA 30-1981 within this standard (ANSI B77.1-1982) such reference is deleted and the Indiana Flammable and Combustible Liquids and Gases Code (675 IAC 22) is substituted therefor.

8.1.2 Whenever reference is made to American National Standard for the Storage and Handling of Liquefied Petroleum Gases, ANSI/NFPA 58-1979 within this standard (ANSI B77.1-1982) such reference is deleted and the Indiana Flammable and Combustible Liquids and Gases Code (675 IAC 22) is substituted therefor.

8.1.3 Whenever reference is made to American National Standard National Electrical Code, ANSI/NFPA 70-1981 within this standard (ANSI B77.1-1982) such reference is deleted and the Indiana Electrical Code (675 IAC 17) is substituted therefor.

8.2 Nationally Accepted Practice

8.2.1 Whenever reference is made to any of the following standards within this standard (ANSI B77.1-1982) it shall be considered only as nationally accepted practice.

American National Standard Safety Standard for Mechanical Power Transmission Apparatus, ANSI B15.1-1972

American National Standard National Electric Safety Code, ANSI C2-1987

American National Standard for Wire Rope for Mines, ANSI M11.1-1980

American National Standard for Stationary Combustion Engines and Gas Turbines, ANSI/NFPA 37-1979

American National Standard Lightning Protection Code, ANSI/NFPA 78-1980

American Gear Manufactures *[sic.]* Association

AGMA – Surface Durability (Pitting) of Spur Gear Teeth, AGMA 210.02, 1965

AGMA – Surface Durability (Pitting) Formulas for Straight Bevel and Zerol Bevel Gear Teeth, AGMA 210.02, 1964 (R1974)

AGMA – Information Sheet for Surface Durability (Pitting) of Spur, Helical, Herringbone and Bevel Gear Teeth, AGMA 215.01, 1966 (R1974)

AGMA – Design Practice Rating for Surface Durability of Spiral Bevel Gears for Enclosed Drives, AGMA 216.01A, 1966

AGMA – Rating the Strength of Spur Gear Teeth, AGMA 220.02, 1966

AGMA – Rating the Strength of Helical and Herringbone Gear Teeth, AGMA 221.02, 1965

AGMA – Rating the Strength of Straight Bevel and Zerol Bevel Gear Teeth, AGMA 222.02, 1964

AGMA – Rating the Strength of Spiral Bevel Gears for Enclosed Drives, AGMA 223.01A, 1966

AGMA – Practice of Enclosed Speed Reducers or Increases Using Spur, Helical Herringbone and Spiral Bevel Gears, AGMA 420.04, 1975

AGMA – Practice for Gearmotors Using Spur, Helical, Herringbone and Spiral Bevel Gears, AGMA 460.05,

1971

AGMA – Practice for Spur, Helical and Herringbone Gear Shaft-Mounted Speed Reducers, AGMA 480.06, 1977
 American Petroleum Institute API-RP9B."

(Fire Prevention and Building Safety Commission; 675 IAC 23-1-60; filed Sep 19, 1986, 9:15 am: 10 IR 250, eff Nov 1, 1986; filed Jul 7, 1988, 2:45 pm: 11 IR 3903; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 23-1-61 Recommended practice

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 61. The following American Society for Testing and Materials (ASTM) standards are deemed recommended practice for information purposes only.

F 698 - 83 Specification for Physical Information to be Provided for Amusement Rides and Devices.

F 747 - 82 Definitions of Terms Relating to Amusement Rides and Devices.

F 770 - 82 Practice for Operation Procedures for Amusement Rides and Devices.

F 846 - 83 Guide for Testing Performance of Amusement Rides and Devices.

F 853 - 83 Practice for Maintenance Procedures for Amusement Rides and Devices.

F 893 - 84 Guide for Inspection of Amusement Rides and Devices.

(Fire Prevention and Building Safety Commission; 675 IAC 23-1-61; filed Sep 19, 1986, 9:15 am: 10 IR 251, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 23-1-62 Fee schedule, Part III; scope

Authority: IC 22-13-2-13

Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 62. The provisions of Fee Schedule, Part III (675 IAC 23-1-62 through 675 IAC 23-1-64) of this code shall apply to the fees charged for inspection of amusement devices. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-62; filed Sep 19, 1986, 9:15 am: 10 IR 251, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 23-1-63 Annual inspection fees

Authority: IC 22-12-6-6; IC 22-13-2-9; IC 22-15-2-6; IC 22-15-7

Affected: IC 22-13-2-3; IC 22-15-2-7; IC 36-7-2-9

Sec. 63. (a) The fee for an annual inspection of permanent and portable amusement devices except for those covered in subsection (b) shall be based on the size and complexity of the device as follows:

FEE	TYPE OF DEVICE	DESCRIPTION
\$144	Kiddie	An amusement device designed for seventy-five pounds (75#) or less per passenger unit intended for use by children age twelve (12) and under.
\$144	Major	An amusement device designed for seventy-five pounds (75#) or more intended for use by children above age twelve (12) and not listed as a spectacular amusement device.
\$144	Spectacular	Includes the following list of amusement devices and any similar amusement device: <div style="margin-left: 40px;"> Himalayas-Flying Bobs Sky Wheels Sky Divers Falling Stars High Rise, Roller Coaster </div>

Enterprise
Log Flume
Hang 10

(b) The fee for an annual inspection of passenger tramways, aerial tramways and lifts, surface lifts and tows shall be based on mode of transportation of passengers uphill, on the surface or above the surface.

MODE OF TRANSPORTATION	FEE-PER DRIVING MECHANISM
On Surface	\$144
Above Surface	\$288

(c) Reinspection fees shall be one-half (½) of the annual inspection fee.

(d) Subsequent inspection fee shall be one hundred dollars (\$100) per device. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-63; filed Sep 19, 1986, 9:15 a.m.: 10 IR 251, eff Nov 1, 1986; filed Sep 13, 1988, 2:32 p.m.: 12 IR 318; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530; filed Apr 16, 2002, 9:05 a.m.: 25 IR 2735)*

675 IAC 23-1-64 Administrative, Part I

Authority: IC 22-13-2-13
Affected: IC 22-12; IC 22-13; IC 22-14; IC 22-15

Sec. 64. Additional information regarding payment of fees and definitions for types of inspection may be found in Administration; Part I of this code. *(Fire Prevention and Building Safety Commission; 675 IAC 23-1-64; filed Sep 19, 1986, 9:15 am: 10 IR 252, eff Nov 1, 1986; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

Rule 2. Regulated Amusement Device Training and Certification Rules

675 IAC 23-2-1 Title; purpose; availability

Authority: IC 22-13-2-8; IC 22-13-2-9; IC 22-15-2-6
Affected: IC 22-13-2-3; IC 22-15-2-7; IC 22-15-7; IC 36-7-2-9

Sec. 1. (a) This rule shall be known as the regulated amusement device training and certification rule and shall be published by the fire and building services department for general use and distribution under that title.

(b) The purpose of this rule is to define appropriate training for a person who inspects regulated amusement devices, to adopt by reference specified ASTM standards for this purpose, to require that inspectors be Level 1 certified by the National Association of Amusement Ride Safety Officials and conduct inspections that conform to the rules of the commission, and to require that regulated amusement devices be operated and maintained in accordance with the rules of the commission.

(c) This rule is available for purchase from the Fire and Building Services Department, 402 West Washington Street, Room E221, Indianapolis, Indiana 46204. *(Fire Prevention and Building Safety Commission; 675 IAC 23-2-1; filed May 10, 1999, 12:47 p.m.: 22 IR 2868; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 23-2-2 Standard specification for physical information to be provided for amusement rides and devices

Authority: IC 22-13-2-8
Affected: IC 22-15-2-7; IC 22-15-7

Sec. 2. (a) That certain document being titled Standard Specification for Physical Information to be Provided for Amusement Rides and Devices, 1994 edition approved July 15, 1994, published September 1994 (ASTM F 698-94), published by the American Society for Testing and Materials, at 1916 Race Street, Philadelphia, Pennsylvania 19103, is hereby adopted by reference as if fully set out in this article.

(b) This document is being adopted by reference to define appropriate training for persons who inspect regulated amusement devices. The training for persons who inspect regulated amusement devices must also include this document as it has been adopted by the regulated amusement device safety board as set forth at 685 IAC 1-2-2. *(Fire Prevention and Building Safety Commission;*

675 IAC 23-2-2; filed May 10, 1999, 12:47 p.m.: 22 IR 2869; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 23-2-3 Standard terminology relating to amusement rides and devices

Authority: IC 22-13-2-8

Affected: IC 22-15-2-7; IC 22-15-7

Sec. 3. That certain document being titled Standard Terminology Relating to Amusement Rides and Devices, 1995 edition approved April 15, 1995, published June 1995 (ASTM F 747-95), published by the American Society for Testing and Materials, at 1916 Race Street, Philadelphia, Pennsylvania 19103, is hereby adopted by reference as if fully set out in this article.

(b) This document is being adopted by reference to define appropriate training for persons who inspect regulated amusement devices. The training for persons who inspect regulated amusement devices must also include this document as it has been adopted by the regulated amusement device safety board as set forth at 685 IAC 1-2-3. (*Fire Prevention and Building Safety Commission; 675 IAC 23-2-3; filed May 10, 1999, 12:47 p.m.: 22 IR 2869; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-2-4 Standard practice for operation procedures for amusement rides and devices

Authority: IC 22-13-2-8

Affected: IC 22-15-2-7; IC 22-15-7-8

Sec. 4. (a) That certain document being titled Standard Practice for Operation Procedures for Amusement Rides and Devices, 1993 edition approved December 15, 1993, published February 1994 (ASTM F 770-93), published by the American Society for Testing and Materials, at 1916 Race Street, Philadelphia, Pennsylvania 19103, is hereby adopted by reference as if fully set out in this article.

(b) This document is being adopted by reference to define appropriate training for persons who inspect regulated amusement devices. The training for persons who inspect regulated amusement devices must also include this document as it has been adopted by the regulated amusement device safety board as set forth at 685 IAC 1-2-4. (*Fire Prevention and Building Safety Commission; 675 IAC 23-2-4; filed May 10, 1999, 12:47 p.m.: 22 IR 2869; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-2-5 Standard guide for testing performance of amusement rides and devices

Authority: IC 22-13-2-8

Affected: IC 22-15-2-7; IC 22-15-7

Sec. 5. (a) That certain document being titled Standard Guide for Testing Performance of Amusement Rides and Devices, 1992 edition approved May 15, 1992, published July 1992 (ASTM F 846-92), published by the American Society for Testing and Materials, at 1916 Race Street, Philadelphia, Pennsylvania 19103, is hereby adopted by reference as if fully set out in this article.

(b) This document is being adopted by reference to define appropriate training for persons who inspect regulated amusement devices. The training for persons who inspect regulated amusement devices must also include this document as it has been adopted by the regulated amusement device safety board as set forth at 685 IAC 1-2-5. (*Fire Prevention and Building Safety Commission; 675 IAC 23-2-5; filed May 10, 1999, 12:47 p.m.: 22 IR 2869; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-2-6 Standard practice for maintenance procedures for amusement rides and devices

Authority: IC 22-13-2-8

Affected: IC 22-15-2-7; IC 22-15-7

Sec. 6. (a) That certain document being titled Standard Practice for Maintenance Procedures for Amusement Rides and Devices, 1993 edition approved January 15, 1993, published March 1993 (ASTM F 853-93), published by the American Society for Testing and Materials, at 1916 Race Street, Philadelphia, Pennsylvania 19103, is hereby adopted by reference as if fully set out in this article.

(b) This document is being adopted by reference to define appropriate training for persons who inspect regulated amusement devices. The training for persons who inspect regulated amusement devices must also include this document as it has been adopted by the regulated amusement device safety board as set forth at 685 IAC 1-2-6. (*Fire Prevention and Building Safety Commission; 675 IAC 23-2-6; filed May 10, 1999, 12:47 p.m.: 22 IR 2869; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-2-7 Standard guide for inspection of amusement rides and devices

Authority: IC 22-13-2-8

Affected: IC 22-15-2-7; IC 22-15-7

Sec. 7. (a) That certain document being titled Standard Guide for Inspection of Amusement Rides and Devices, 1987 edition approved May 29, 1987, published July 1987 (ASTM F 893-87), published by the American Society for Testing and Materials, at 1916 Race Street, Philadelphia, Pennsylvania 19103, is hereby adopted by reference as if fully set out in this article.

(b) This document is being adopted by reference to define appropriate training for persons who inspect regulated amusement devices. The training for persons who inspect regulated amusement devices must also include this document as it has been adopted by the regulated amusement device safety board as set forth at 685 IAC 1-2-7. (*Fire Prevention and Building Safety Commission; 675 IAC 23-2-7; filed May 10, 1999, 12:47 p.m.: 22 IR 2870; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-2-8 Standard practice for the design and manufacture of amusement rides and devices

Authority: IC 22-13-2-8

Affected: IC 22-15-2-7; IC 22-15-7

Sec. 8. (a) That certain document being titled Standard Practice for the Design and Manufacture of Amusement Rides and Devices, 1994 edition approved April 15, 1994, published June 1994 (ASTM F 1159-94), published by the American Society for Testing and Materials, at 1916 Race Street, Philadelphia, Pennsylvania 19103, is hereby adopted by reference as if fully set out in this article.

(b) This document is being adopted by reference to define appropriate training for persons who inspect regulated amusement devices. The training for persons who inspect regulated amusement devices must also include this document as it has been adopted by the regulated amusement device safety board as set forth at 685 IAC 1-2-8. (*Fire Prevention and Building Safety Commission; 675 IAC 23-2-8; filed May 10, 1999, 12:47 p.m.: 22 IR 2870; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-2-9 Standard practice for an amusement ride and device manufacturer quality assurance program

Authority: IC 22-13-2-8

Affected: IC 22-15-2-7; IC 22-15-7

Sec. 9. (a) That certain document being titled Standard Practice for an Amusement Ride and Device Manufacturer Quality Assurance Program, 1995 edition approved January 15, 1995, published March 1995 (ASTM F 1193-95), published by the American Society for Testing and Materials, at 1916 Race Street, Philadelphia, Pennsylvania 19103, is hereby adopted by reference as if fully set out in this article.

(b) This document is being adopted by reference to define appropriate training for persons who inspect regulated amusement devices. The training for persons who inspect regulated amusement devices must also include this document as it has been adopted by the regulated amusement device safety board as set forth at 685 IAC 1-2-9. (*Fire Prevention and Building Safety Commission; 675 IAC 23-2-9; filed May 10, 1999, 12:47 p.m.: 22 IR 2870; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-2-10 Standard guide for the classification of amusement ride and device related injuries and illnesses

Authority: IC 22-13-2-8

Affected: IC 22-15-2-7; IC 22-15-7

Sec. 10. (a) That certain document being titled Standard Guide for the Classification of Amusement Ride and Device Related Injuries and Illnesses, 1994 edition approved April 15, 1994, published June 1994 (ASTM F 1305-94), published by the American Society for Testing and Materials, at 1916 Race Street, Philadelphia, Pennsylvania 19103, is hereby adopted by reference as if fully set out in this article.

(b) This document is being adopted by reference to define appropriate training for persons who inspect regulated amusement devices. The training for persons who inspect regulated amusement devices must also include this document as it has been adopted by the regulated amusement device safety board as set forth at 685 IAC 1-2-10. (*Fire Prevention and Building Safety Commission; 675 IAC 23-2-10; filed May 10, 1999, 12:47 p.m.: 22 IR 2870; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 23-2-11 Standard for passenger tramways-aerial tramways and lifts, surface lifts, and tows

Authority: IC 22-13-2-8

Affected: IC 22-13-2-3; IC 22-13-2-9; IC 22-15-2

Sec. 11. (a) That certain document being titled the American National Standard for Passenger Tramways-Aerial Tramways and Lifts, Surface Lifts, and Tows-Safety Requirements, 1992 edition (ANSI B77.1, 1992), published by the American National Standards Institute, 1430 Broadway, New York, New York 10018, be and the same is hereby adopted by reference, as if fully set out in this article, save and except those revisions made in this section.

(b) Delete subsection 1.3 in its entirety.

(c) In subsection 1.4.5, "Authority having jurisdiction" means the state building commissioner.

(d) Delete section 8 in its entirety and substitute the following:

8. Referenced Standards. When any of the following standards are referenced within this standard (ANSI B 77.1, 1992), they shall not be considered as adopted by reference but rather shall be treated as nationally accepted practice in accordance with this section for guidance only and are not enforceable.

8.1 Adopted Rules of the Fire Prevention and Building Safety Commission.

8.1.1 Whenever reference is made to American National Standard Flammable and Combustible Liquids Code, NFPA 30 within this standard (ANSI B77.1, 1992), such reference is deleted and the Indiana Fire Code (675 IAC 22), a rule of the Indiana fire prevention and building safety commission, is substituted.

8.1.2 Whenever reference is made to American National Standard for Storage and Handling of Liquefied Petroleum Gases, NFPA 58 within this standard (ANSI B77.1, 1992), such reference is deleted and the Indiana Fire Code (675 IAC 22), a rule of the Indiana fire prevention and building safety commission, is substituted therefor.

8.1.3 Whenever reference is made to American National Standard National Electrical Code, NFPA 70 within this standard (ANSI B77.1, 1992), such reference is deleted and the Indiana Electrical Code (675 IAC 17), a rule of the Indiana fire prevention and building safety commission, is substituted therefor.

8.2 Nationally Accepted Practice.

8.2.1 Whenever reference is made to any of the following standards within this standard (ANSI B77.1, 1992), it shall be considered only as nationally accepted practice:

American National Standard Safety Standard for Mechanical Power Transmission Apparatus, ANSI B15.1

American National Standard National Electric Safety Code, ANSI C2

American National Standard for Wire Rope Mines, ANSI M11.1

American National Standard for Stationary Combustion Engines and Gas Turbines, ANSI/NFPA 37

American National Standard Lighting Protection Code, ANSI/NFPA 78

American Gear Manufacturer's Association

AGMA-Surface Durability (Pitting) of Spur Gear Teeth, AGMA 210.02

AGMA-Surface Durability (Pitting) Formulas for Straight Bevel and Zerol Bevel Gear Teeth, AGMA 210.02

AGMA-Information Sheet for Surface Durability (Pitting) of Spur, Helical, Herringbone and Bevel Gear Teeth, AGMA 215.01

AGMA-Design Practice Rating for Surface Durability of Spiral Bevel Gears for Enclosed Drives, AGMA 216.01A

AGMA-Rating the Strength of Spur Gear Teeth, AGMA 220.02

AGMA-Rating the Strength of Helical and Herringbone Gear Teeth, AGMA 221.02

AGMA-Rating the Strength of Straight Bevel and Zerol Bevel Gear Teeth, AGMA 222.02

AGMA-Rating the Strength of Spiral Bevel Gears for Enclosed Drives, AGMA 223.01A

AGMA-Practice of Enclosed Speed Reducers or Increases Using Spur, Helical, Herringbone and Spiral Bevel Gears, AGMA 420.04

AGMA-Practice for Gearmotors Using Spur, Helical, Herringbone and Spiral Bevel Gears, AGMA 460.05

AGMA-Practice for Spur, Helical and Herringbone Gear Shaft-Mounted Speed Reducers, AGMA 480.06

American Petroleum Institute, API-RP9B

(Fire Prevention and Building Safety Commission; 675 IAC 23-2-11; filed May 11, 1999, 12:47 p.m.: 22 IR 2870; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 23-2-12 Training requirements

Authority: IC 22-13-2-8

Affected: IC 22-13-2-3; IC 22-13-2-9; IC 22-15-2; IC 36-7-2-9

Sec. 12. The training requirements for a person who inspects regulated amusement devices for compliance with this rule must include the following: at least three (3) hours of classroom instruction regarding the ASTM standards adopted in sections 2 through 10 of this rule. *(Fire Prevention and Building Safety Commission; 675 IAC 23-2-12; filed May 11, 1999, 12:47 p.m.: 22 IR 2871; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 23-2-13 Operation and maintenance

Authority: IC 22-13-2-8

Affected: IC 22-13-2-3; IC 22-13-2-9; IC 22-15-2; IC 36-7-2-9

Sec. 13. The operation and maintenance of regulated amusement devices shall be in accordance with the following:

- (1) This rule.
- (2) All applicable rules of the commission.
- (3) 685 IAC 1, the rule of the regulated amusement device safety board.

(Fire Prevention and Building Safety Commission; 675 IAC 23-2-13; filed May 11, 1999, 12:47 p.m.: 22 IR 2871; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 23-2-14 Inspectors

Authority: IC 22-13-2-8

Affected: IC 22-13-2-3; IC 22-13-2-9; IC 22-15-2; IC 36-7-2-9

Sec. 14. (a) Inspectors employed or contracted by the office of the state building commissioner shall be trained as required by this rule and have and maintain at least a Level 1 certification from the National Association of Amusement Ride Safety Officials.

(b) Inspectors employed or contracted by the office shall conduct or perform inspections that conform to the following:

- (1) This rule.
- (2) All applicable rules of the commission.
- (3) 685 IAC 1, the rule of the regulated amusement device safety board.

(Fire Prevention and Building Safety Commission; 675 IAC 23-2-14; filed May 10, 1999, 12:47 p.m.: 22 IR 2872; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

ARTICLE 24. SUPPLEMENTARY FIRE SAFETY RULES

Rule 1. Migrant Day Care Nursery Fire Safety Code

675 IAC 24-1-1 Title, purpose, availability

Authority: IC 12-17.2-2-9

Affected: IC 16-19-3-4; IC 22-13-2-2

Sec. 1. (a) Title. This rule (675 IAC 24-1) shall be known as the Migrant Day Care Nursery Fire Safety Code, and shall be published by the fire and building services department for general use and distribution under that title. Whenever the term "this code" is used throughout this rule (675 IAC 24-1) it shall mean the Migrant Day Care Nursery Fire Safety Code.

(b) Purpose. The purpose of this code is to establish minimum fire safety requirements for migrant day care nurseries. This code, combined with the rules of the department of public welfare (470 IAC), and the rules of the state board of health (410 IAC) forms the complete package of regulations for migrant day care nurseries.

(c) Availability. This rule (675 IAC 24-1) is available for purchase from the Fire and Building Services Department, 1099 North Meridian Street, Suite 900, Indianapolis, Indiana 46204 [*Current address is the Department of Fire and Building Services, Indiana Government Center-South, 302 West Washington Street, Indianapolis, Indiana 46204.*]. *(Fire Prevention and Building Safety Commission; 675 IAC 24-1-1; filed Oct 20, 1987, 12:45 pm: 11 IR 937; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 24-1-2 Scope, enforcement

Authority: IC 12-17.2-2-9
Affected: IC 16-19-3-4; IC 22-13-2-2

Sec. 2. (a) Scope. This code applies to migrant day care nurseries and is adopted under IC 12-3-2-3.5 [*IC 12-3 was repealed by P.L.2-1992, SECTION 897, effective February 14, 1992.*], taking into consideration that exempted centers operate in donated space, provide care for less than one hundred twenty (120) days during the calendar year and provide care only to children from migrant families.

(b) Enforcement. This code shall be enforced by the state fire marshal through his deputies. (*Fire Prevention and Building Safety Commission; 675 IAC 24-1-2; filed Oct 20, 1987, 12:45 pm: 11 IR 938; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 24-1-3 Definitions

Authority: IC 12-17.2-2-9
Affected: IC 16-19-3-4; IC 22-13-2-2

Sec. 3. For the purpose of this code (675 IAC 24-1), the following terms shall have the meaning indicated.

"Building systems" means the group of interacting, interrelated or interdependent elements forming the collective building.

"Commission" means the Indiana fire prevention and building safety commission.

"Egress" means a way out or exit.

"Exempted center" means a day nursery that:

- (1) is operated under the federally funded Head Start Program (42 U.S.C. 9831 et seq.) and the Texas Migrant Council;
- (2) provides services for children from migrant worker families;
- (3) is operated during a single period of less than one hundred twenty (120) consecutive days during a calendar year.

"Exit" means a continuous and unobstructed means of egress to a public way and shall include intervening aisles, doors, doorways, corridors, exterior exit balconies, ramps, stairways, smokeproof enclosures, horizontal exits, exit passageways, exit courts and yards.

"Grade" (adjacent ground elevation) means the lowest point of elevation of the finished surface of the ground, paving or sidewalk between the building and a line five (5) feet from the building. (*Fire Prevention and Building Safety Commission; 675 IAC 24-1-3; filed Oct 20, 1987, 12:45 pm: 11 IR 938; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 24-1-4 Inspections

Authority: IC 12-17.2-2-9
Affected: IC 16-19-3-4; IC 22-13-2-2

Sec. 4. The state fire marshal shall cause exempted centers to be inspected a minimum of once each year. (*Fire Prevention and Building Safety Commission; 675 IAC 24-1-4; filed Oct 20, 1987, 12:45 pm: 11 IR 938; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 24-1-5 Additional regulations

Authority: IC 12-17.2-2-9
Affected: IC 16-19-3-4; IC 22-13-2-2

Sec. 5. All exempted centers shall comply with the requirements of this code, as well as the Indiana fire prevention code (675 IAC 22-2), the Indiana flammable and combustible liquids and gases code (675 IAC 22-1), the Indiana building code (675 IAC 13-2 [*675 IAC 13-2 was repealed filed Feb 15, 1989, 5:00 p.m.: 12 IR 1552, eff Apr 3, 1989.*]), and any other applicable rules of the commission. (*Fire Prevention and Building Safety Commission; 675 IAC 24-1-5; filed Oct 20, 1987, 12:45 pm: 11 IR 938; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530*)

675 IAC 24-1-6 Location of exempted center

Authority: IC 12-17.2-2-9
Affected: IC 16-19-3-4; IC 22-13-2-2

Sec. 6. The exempted center shall be located, within the building, on the floor or portion of the building closest to grade level. EXCEPTIONS: The exempted center may be located one (1) floor above or below the level closest to grade level:

- (1) if the building is equipped throughout with an automatic fire suppression system; or
- (2) if the building is equipped throughout with a smoke detection system located in the corridors and interconnected to a manual fire alarm system; or
- (3) if the staff ratio (of staff members to children in particular age groups) is double the ratio required by the department of public welfare.

(Fire Prevention and Building Safety Commission; 675 IAC 24-1-6; filed Oct 20, 1987, 12:45 pm: 11 IR 938; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 24-1-7 Egress requirements

Authority: IC 12-17.2-2-9
 Affected: IC 16-19-3-4; IC 22-13-2-2

Sec. 7. (a) A minimum of two (2) exits, other than elevators, are required when the number of occupants in any exempted center or portion thereof, used by children ages 0-2, is at least seven (7), and for children ages 3-6 is at least sixteen (16). Exits shall be located a distance apart, equal to but not less than one-half (1/2) of the length of the maximum overall diagonal dimension of the area to be served, measured in a straight line between exits. This distance may be decreased to one-third (1/3) if the building is equipped throughout with a supervised sprinkler system. See Table 8-A [sic., Table 7-A].

(b) Exit doors shall meet the following requirements:

- (1) Exit doors shall swing in the direction of exit travel when serving an occupancy of fifty (50) or more.
- (2) Exit doors shall be openable from the inside without the use of a key or any special knowledge or effort.
- (3) There shall be a floor or landing on each side of the exit door of a sufficient width to allow uninterrupted egress.
- (4) Exit doors shall be so marked that they are readily distinguishable from the adjacent construction.

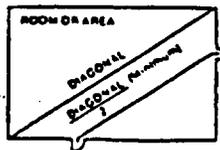
(c) Exit signs shall meet the following requirements:

- (1) Exit signs shall be installed over exits and where otherwise necessary to clearly indicate the direction of egress.
- (2) The color and design of lettering, arrows and other symbols on exit signs shall be in high contrast with their background. Words on the sign shall be in block letters six inches (6") in height with a stroke of not less than three-fourths inch (3/4").

(d) The means of egress from the exempted center shall be provided with a light having an intensity of a one (1) foot candle at floor level, at all times, during hours of operation.

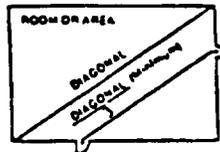
**TABLE 7-A
 ARRANGEMENT OF EXITS**

Non-sprinklered



Minimum distance — One-half of diagonal

Sprinklered



Minimum distance — One-third of diagonal

(Fire Prevention and Building Safety Commission; 675 IAC 24-1-7; filed Oct 20, 1987, 12:45 pm: 11 IR 938; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 24-1-8 Cooking equipment

Authority: IC 12-17.2-2-9
Affected: IC 16-19-3-4; IC 22-13-2-2

Sec. 8. All cooking equipment employing flammable liquids of an appreciable depth (greater than one-fourth inch (1/4") (0.64 cm.)) shall be protected with a hood and an automatic extinguishing system in accordance with NFPA standard 96 as adopted by the commission (675 IAC 13-1-17 [*675 IAC 13-1-17 was repealed filed Aug 26, 1992, 5:00 p.m.: 16 IR 62, eff Nov 1, 1992.*]). Portable fire extinguishers shall be provided in accordance with NFPA standard 10 as adopted by the commission (675 IAC 22-2-13 [*675 IAC 22-2-13 was repealed filed Nov 15, 1990, 2:00 p.m.: 14 IR 739.*]). *(Fire Prevention and Building Safety Commission; 675 IAC 24-1-8; filed Oct 20, 1987, 12:45 pm: 11 IR 939; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 24-1-9 Flammable and combustible liquids

Authority: IC 12-17.2-2-9
Affected: IC 16-19-3-4; IC 22-13-2-2

Sec. 9. (a) Storage and use of flammable or combustible liquids shall be limited to that required for maintenance and cooking.
(b) Not more than ten (10) gallons of flammable or Class II combustible liquids shall be stored in the exempted center unless in a secured, approved storage cabinet or inside a secured, approved storage area. *(Fire Prevention and Building Safety Commission; 675 IAC 24-1-9; filed Oct 20, 1987, 12:45 pm: 11 IR 939; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 24-1-10 Fire extinguishers

Authority: IC 12-17.2-2-9
Affected: IC 16-19-3-4; IC 22-13-2-2

Sec. 10. (a) The child caring area of the exempted center shall be protected with a minimum of two (2) 2-A rated portable fire extinguishers.

(b) The cooking area of the exempted center shall be protected with a minimum of one (1) 5-B:C rated portable fire extinguisher. *(Fire Prevention and Building Safety Commission; 675 IAC 24-1-10; filed Oct 20, 1987, 12:45 pm: 11 IR 939; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 24-1-11 General fire safety

Authority: IC 12-17.2-2-9
Affected: IC 16-19-3-4; IC 22-13-2-2

Sec. 11. (a) The building, building systems and appliances used therein shall be maintained in a manner which does not constitute a distinct hazard to life or property.

(b) Combustible and flammable waste materials shall not be allowed to accumulate in or around the center.

(c) Storage, handling and disposal of combustible or flammable material shall be handled in accordance with the Indiana fire prevention code (675 IAC 22-2).

(d) Appliances which are designed to produce heat (stoves, furnaces, etc.) and their associated apparatus shall be subjected to regular cleaning and maintenance so as not to create a fire hazard. *(Fire Prevention and Building Safety Commission; 675 IAC 24-1-11; filed Oct 20, 1987, 12:45 pm: 11 IR 940; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)*

675 IAC 24-1-12 Fire drills

Authority: IC 12-17.2-2-9
Affected: IC 16-19-3-4; IC 22-13-2-2

Sec. 12. (a) Fire drills shall be held in the exempted center, at least once during each month of operation.

(b) The first fire drill shall be held within the first five (5) days of operation of the center and, when possible, in conjunction with the local fire chief.

(c) The evacuation shall be triggered by the sounding of a fire alarm or, when there is no fire alarm in the building, by another audible alarm (such as the ringing of a hand held bell).

(d) Fire drills shall include complete evacuation of all persons in the exempted center and the assembling of said persons at a designated area outside of the building.

(e) All staff members shall be familiar with the fire drill procedure and the method by which the fire department will be contacted in case of fire.

(f) A record of all fire drills shall be kept on the premises and the person in charge of the exempted center shall keep written reports containing the following information:

- (1) Time of drill.
- (2) Date of drill.
- (3) Weather conditions when occupants are evacuated.
- (4) Number of occupants evacuated.
- (5) Total time for evacuation.
- (6) Any other information relevant to the drill.

(Fire Prevention and Building Safety Commission; 675 IAC 24-1-12; filed Oct 20, 1987, 12:45 pm: 11 IR 940; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

675 IAC 24-1-13 Notification of fire department

Authority: IC 12-17.2-2-9

Affected: IC 16-19-3-4; IC 22-13-2-2

Sec. 13. Prior to the first day of operation, the person in charge of the exempted center shall, in writing, notify the local fire chief of all the following:

- (1) Address of the exempted center.
- (2) Area of building being used by the center.
- (3) Dates of operation including days of week.
- (4) Time of operation.
- (5) Method by which the fire department will be contacted in case of fire.
- (6) Number of children.
- (7) Date and time of first fire drill.

(Fire Prevention and Building Safety Commission; 675 IAC 24-1-13; filed Oct 20, 1987, 12:45 pm: 11 IR 940; readopted filed Sep 11, 2001, 2:49 p.m.: 25 IR 530)

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